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Cover Photo

The Bowen Plant, a coal fired plant, is located 40 miles northwest of Atlanta, Georgia, and owned by the Georgia Power Company.

Financial Statistics of Selected Investor-Owned Electric Utilities 1989

January 1991

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Office of Coal, Nuclear, Electric
and Alternate Fuels
U.S. Department of Energy
Washington, DC 20585

MASTER

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Introduction

The *Financial Statistics of Selected Investor-Owned Electric Utilities* publication presents summary and detailed financial accounting data on the investor-owned electric utilities. The objective of the publication is to provide the Federal and State governments, industry, and the general public with current and historical data that can be used for policymaking and decisionmaking purposes related to investor-owned electric utility issues.

Background

The *Financial Statistics of Selected Investor-Owned Electric Utilities* publication is prepared by the Data Systems Branch, Electric Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration, U.S. Department of Energy. Historically, financial statistics for electric utilities have been compiled and published annually since 1938 to satisfy the requirements for accurate, readily available data regarding the electric power industry. The format was designed to be used by a variety of private, electric power industry, and government users. The publication contents and format have evolved over the years to better serve the needs and requirements of the targeted audience.

As the result of the Federal Power Act of 1935, the Federal Power Commission (FPC), which was the predecessor to the Federal Energy Regulatory Commission (FERC), began collecting financial statistics for investor-owned electric utilities in 1938. The Energy Information Administration (EIA) took over the responsibility of gathering and publishing the financial statistics on behalf of the FERC upon its establishment in October 1977. In 1982, the EIA combined the contents of two publications containing financial statistics of investor-owned (private) and publicly owned electric utilities into a single volume, the *Financial Statistics of Selected Electric Utilities*. The 1989 edition has reverted back to the two separate publications. For 1989, data published in the *Financial Statistics of Selected Electric Utilities* will now be published in the *Financial Statistics of Selected Investor-Owned Electric Utilities* and the *Financial Statistics of Selected Publicly Owned Electric Utilities*.

An additional change to the 1989 edition of the *Financial Statistics of the Selected Investor-Owned Electric Utilities* includes the replacement of the Statement of Changes in Financial Position with the Statement of Cash Flows. The Composite Statement of Cash Flows contains data for 1988 and 1989 and estimates for 1986 and 1987. As in the 1988 publication, a table listing 5 years of bond ratings for the investor-owned electric utilities is provided in Appendix B.

The U.S. electric power industry is a combination of electric utilities and nonutility power producers.¹ The electric utility industry is comprised of investor-owned, publicly owned, Federal, and cooperative electric utilities. Investor-owned electric utilities account for over three-fourths of the sales and revenue in the industry. Historically, the investor-owned electric utilities serve the large consolidated markets. There is substantial diversity among the investor-owned electric utilities in terms of services, size, fuel usage, and prices. Most investor-owned electric utilities generate, transmit, and distribute electric power. Investor-owned electric utilities operate in all States except Nebraska; Hawaii is the only State in which all electricity is supplied by investor-owned electric utilities.

Data Users

The *Financial Statistics of Selected Investor-Owned Electric Utilities* publication provides information about the financial results of operations of investor-owned electric utilities for use by government, industry, electric utilities, financial organizations and educational institutions in energy planning. In the private sector, the readers of this publication are researchers and analysts associated with the financial markets, the policymaking and decisionmaking members of electric utility companies, and economic development organizations. Other organizations that may be interested in the data presented in this publication include manufacturers of electric power equipment and marketing organizations. In the public sector, the readers of this publication include analysts, researchers, statisticians, and other professionals engaged in regulatory, policy, and program areas. These individuals are generally associated with the Congress, other legislative bodies, State public

¹In 1989, nonutility producers sold 90 million megawatthours of electricity to the grid.

utility commissions, universities, and national strategic planning organizations.

Coverage of Sources

Information for the investor-owned electric utilities has been compiled from the Federal Energy Regulatory Commission (FERC) Form 1 for calendar year 1989 and prior years. This survey, "Annual Report of Major Electric Utilities, Licensees and Others," is conducted by the Energy Information Administration (EIA) for the FERC. Major investor-owned electric utilities are defined as those investor-owned electric utilities that have had, in the past 3 consecutive calendar years, sales or transmission services that exceeded one of the following:

- 1 million megawatt-hours of total annual sales
- 100 megawatt-hours of annual sales for resale
- 500 megawatt-hours of annual gross interchange out
- 500 megawatt-hours of wheeling for others (deliveries plus losses).

The 1989 data are based on reports from 182 of the 184 major investor-owned electric utilities.² The investor-owned electric utilities included in this publication are those classified as major investor-owned electric utilities in a reporting year. In 1989, four investor-owned electric utilities that were formerly classified as "nonmajor" were reclassified as "major" investor-owned electric utilities. The four companies were Fale-Safe, Inc.; Long Sault, Inc.; New England Electric Transmission Corporation; and, Rockland Electric Company. In addition, the Utah Power and Light Company merged with the Pacific Power and Light Company forming the PacifiCorp in 1989.

Tables 36 to 47 are sequenced by State. For consistency, each investor-owned electric utility has been listed in the State where the corporate headquarters are located, rather than the State where the majority of their sales occurred. When compared to editions of this publication prior to 1987, the following 10 State changes were made:

Electric utility	Prior State	Current State
Appalachian Power Company	WV	VA
Citizens Utilities Company	AZ	CT
East States Utilities Company	LA	TX
Holyoke Power & Electric Company	MA	CT
Indiana Kentucky Electric Corporation	IN	OH
Ohio Valley Transmission Company	IN	KY
Otter Tail Power Company	ND	MN
South Bend Water Gas & Electric Company	IL	WI
Southwestern Electric Power Company	TX	LA
Susquehanna Electric Company	MD	PA

Table A2 in Appendix A lists the "major" and "nonmajor" classifications of the investor-owned electric utilities from 1985 to 1989.

Industry Profile

In 1989, there were 3,225 electric utilities in the United States. For these utilities, Table 1 reports selected electric utility data compiled from the Form EIA-861, "Annual Electric Utility Report."

Tables 3 to 47 contain data for 182 of the 265 investor-owned electric utilities in the United States. Table 2 shows selected operational data for those 182 electric utilities and compares them as a percent of the total value reported by investor-owned electric utilities on the Form EIA-861.

Key facts concerning sales and revenues in 1989 (Table 1) are as follows:

- The 265 investor-owned electric utilities (8 percent of all electric utilities) accounted for 79 percent of all revenues from sales of electricity to ultimate consumers and 39 percent of all revenues from sales for resale.
- The 1,994 publicly owned electric utilities (62 percent of all electric utilities) accounted for 13 percent of all revenues from sales to ultimate consumers and 19 percent of all revenues from sales for resale.
- The Federal electric utilities accounted for 1 percent of all revenues from sales to ultimate consumers and 16 percent of all revenues from sales for resale.
- The cooperative borrowers (30 percent of all electric utilities) accounted for 8 percent of all revenues from sales to ultimate consumers and 25 percent of all revenues from sales for resale.

²Data reported by the Northeast Nuclear Energy Company are not included in this publication to prevent double-counting of data for the Millstone Nuclear Plant, which Northeast Nuclear Energy Company operates for the Connecticut Light and Power Company and the Western Massachusetts Electric Company. Data reported by the Golden Spread Electric Cooperative were not included in this publication since they are classified as a cooperative on the Form EIA-861. However, the Federal Energy Regulatory Commission (FERC) has determined that the Golden Spread Electric Cooperative should file a FERC Form 1 under Section 201 of the Federal Power Act.

Table 1. Selected Electric Utility Data by Ownership, 1989

Item	Type of Ownership				Total
	Investor-Owned	Publicly-Owned	Municipal	Cooperative	
Number of Electric Utilities	182	1,004		99	1,285
Electric Utilities (percent)	9	60	*	30	100
Revenues from Sales to Ultimate Consumers (thousand dollars)	138,788,257	21,844,844	1,017,986	14,040,869	175,706,596
Revenues from Sales to Ultimate Consumers (percent)	99	13	1	8	100
Sales of Electricity to Ultimate Consumers (thousand megawatthours)	2,001,700	372,233	52,676	190,201	2,646,809
Sales of Electricity to Ultimate Consumers (percent)	77	14	2	7	100
Revenues from Sales for Resale (thousand dollars)	14,665,820	7,180,203	5,988,807	9,404,249	37,239,079
Revenues from Sales for Resale (percent)	39	19	16	25	100
Sales of Electricity Available for Resale (thousand megawatthours)	378,809	192,403	184,913	219,552	975,676
Sales of Electricity Available for Resale (percent)	39	20	19	23	100

* Value less than 0.5 percent

Note: Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-861, Annual Electric Utility Report

In 1989, the 182 investor-owned electric utilities included in this publication (69 percent of all the investor-owned electric utilities) accounted for 99 percent of

the revenues from sales to ultimate consumers and 98 percent of the revenues from sales for resale of all investor-owned electric utilities (Table 2).

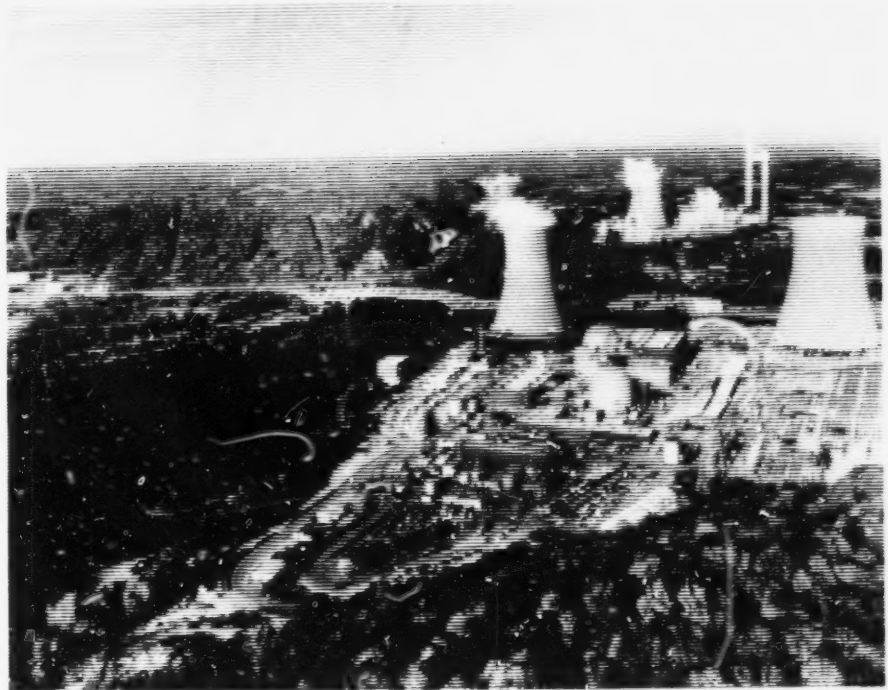
Table 2. Selected Data for Investor-Owned Electric Utilities in This Report Compared to All Investor-Owned Electric Utilities, 1989

Item	Investor-Owned
Number of Electric Utilities	182
Electric Utilities (percent)	69
Revenues from Sales to Ultimate Consumers (thousand dollars)	133,634,879
Revenues from Sales to Ultimate Consumers (percent)	99
Sales of Electricity to Ultimate Consumers (thousand megawatthours)	2,022,631
Sales of Electricity to Ultimate Consumers (percent)	99
Revenues from Sales for Resale (thousand dollars)	14,349,781
Revenues from Sales for Resale (percent)	98
Sales of Electricity Available for Resale (thousand megawatthours)	373,498
Sales of Electricity Available for Resale (percent)	99

Source: Energy Information Administration, Form EIA-861, Annual Electric Utility Report

Summary Statistics of the Major Investor-Owned Electric Utilities

*The Beaver Valley Nuclear
Plant (foreground) and the
Bruce Mansfield Plant, a
coal-fired plant is located
near Shippingport,
Pennsylvania, and operated
by Duquesne Light
Company.*



Financial Performance

Income Statement

In 1989, the major investor-owned electric utilities experienced a general improvement in financial performance resulting in solid increases of 4.8 percent in electric operating revenues and 7.9 percent in net income. Electric operating revenues reached \$150.9 billion and net income totaled \$17.3 billion in 1989. The aggregate industry net income continued to be influenced by a relatively small number of electric utilities who wrote off a large amount of their nuclear plant costs. Five investor-owned electric utilities accounted for total writeoffs of \$3.5 billion in 1989. They were the Public Service Company of New Hampshire (\$1.1 billion), System Energy Resources, Incorporated (\$1.0 billion), Long Island Lighting Company (\$0.7 billion), Illinois Power Company (\$0.5 billion), and Boston Edison Company (\$0.2 billion). Sales to ultimate consumers from the major investor-owned electric utilities rose only 2.7 percent compared to a 4.7 percent growth in sales in 1988.

Operation expenses (which account for 63 percent of total electric operating expenses) rose \$3.7 billion. Further detail on electric operation and maintenance expenses for investor-owned electric utilities is found in Tables 10, 11, and 12. Depreciation expense (which represents 12 percent of total electric operating expenses) increased \$0.9 billion in 1989 while increases in deferred income tax credits rose from \$5.7 billion in 1988 to \$6.9 billion in 1989. The net effect of the growth in electric operating revenues and electric operating expenses was an increase of \$0.8 billion in electric operating income. Net utility operating income rose 2.7 percent with gas operations and other utility operations contributing \$1.1 billion and \$0.1 billion, respectively.

The financial condition of an electric utility is dependent upon the ability of a utility to obtain revenues. These revenues provide for the recovery of costs incurred in the delivery of electric service, the return on invested capital in electric and related plant, and the ability to continue to attract additional capital. The availability and costs of capital are a function of the adequacy of the funds that represent the return on invested capital. On the income statement of an electric utility, the return on invested capital is represented by the difference between revenue from the sales of electricity and total electric operating expenses, i.e., operating income. While electric utility operating revenues in 1989 increased 4.8 percent over the level of revenue for 1988, electric operating expenses increased 5.4 percent, resulting in only a 2.7 percent increase in net

electric operating income. This increase in operating income was accompanied by an associated increase in net electric plant in service (balance sheet data of Net Electric Utility Plant (less Nuclear Fuel) plus Net Nuclear Fuel minus Electric Construction Work in Progress) of 2.4 percent versus 5.0 percent in 1988. The slowing of the growth in total electric plant in service resulted in slower growth in electric operating income. In 1988, net electric operating income grew 5.9 percent.

Although both net electric operating income and net utility operating income increased only \$0.8 billion in 1989, net income for the investor-owned electric utilities in 1989 increased almost 8 percent from the level in 1988 for a \$1.3 billion change. The major factors contributing to the increase in net income for the year were:

- An increase in net utility operating income of \$0.8 billion, as previously mentioned
- The increase from other income sources of \$0.5 billion, consisting of a \$0.2 billion increase in other income, a \$0.5 billion decrease in other income deductions and a \$0.1 billion increase in taxes applicable to other income
- An increase in net interest charges of only \$0.5 billion (primarily attributable to the decline in AFUDC borrowed funds)
- A \$0.4 billion decrease in extraordinary items (losses) after taxes (due in part to a lower amount of writeoffs associated with plant cost disallowances).

Key measures of the financial strength of any industry are its profitability ratios. For 1989, the investor-owned electric utilities demonstrated an improvement in four areas. The Profit Margin rose from 10.1 percent in 1988 to 10.4 percent in 1989 (Table 6). Return on Average Common Stock Equity increased from 11.2 percent in 1988 to 12.0 percent in 1989 (Table 8). Return on Equity showed considerable strength with an increase from 9.7 percent in 1988 to 10.3 percent in 1989 (Table 8). Return on Investment rose from 3.5 percent in 1988 to 3.7 percent in 1989 (Table 8).

Unappropriated retained earnings at the beginning of 1989 were \$47.0 billion. After transferring balances from income, declaring dividends, and making other appropriations from retained earnings, unappropriated retained earnings on December 31, 1989, were \$47.7 billion. Dividends declared on common stock amounted to \$14.0 billion and dividends declared on preferred stock totaled \$2.4 billion in 1989 (Table 5).

Table 3 shows the electric operating revenue and the net electric operating income for 1985 to 1989 and the percentage change of the amounts between years for each account.

**Table 3. Electric Operating Revenue and Net Electric Operating Income:
for Investor-Owned Electric Utilities, 1985 - 1989**

Year	Electric Operating Revenues (thousand dollars)	Percent Change	Net Electric Operating Income (thousand dollars)	Percent Change
1985	135,267,733	15.6	24,140,746	7.0
1986	136,251,958	7	26,091,974	8.1
1987	138,548,908	1.7	26,991,564	3.4
1988	143,930,420	3.9	29,582,794	9.9
1989	150,903,317	4.8	29,351,256	2.7

¹ The data were \$128,265,852 in 1984.

² The amount of Net Electric Operating Income were \$22,761,131 in 1984.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Balance Sheet Data

In 1989, the total assets of the investor-owned electric utilities rose 2.5 percent from \$454.3 billion in 1988 to \$465.7 billion. Components contributing to the growth of \$11.4 billion in total assets were increases in net all utility plant of \$1.6 billion, other property and investments totalling \$0.9 billion, current assets of \$2.4 billion, and deferred debits of \$6.5 billion. As had been the case for several years prior to 1989, additions to nuclear plants represented the largest contributor to an increase in electric plant in service. In 1989, however, additions to nuclear plants only accounted for \$4.8 billion of the \$19.5 billion increase in plant in service. The largest additions in 1989 were \$7.5 billion to distribution plant. (See Table 23 for complete breakdown of the increases/decreases in electric utility plant.) Investor-owned electric utilities in 1989 had to make an investment of \$3.19 to earn a dollar of revenue, a decline from the 1988 figure of \$3.25 (Table 8). The ratio, Net Electric Plant to Total Assets, continued its decline from 77.0 percent in 1985 to 72.5 percent in 1989.

The Construction Work In Progress (CWIP) account continued to decline as additional plants were introduced into commercial service and less new construction was initiated than completed in 1989. Electric CWIP totaled \$33.7 billion in 1989, a decline of \$6.6 billion or a drop of 16 percent from 1988. CWIP as a percent of net plant less CWIP has declined from a peak of 48.3 percent (\$89.1 billion in CWIP divided by total of \$273.6 billion in net electric utility plant less \$89.1 billion in CWIP) in 1983 to the 1989 level of 10.8 percent. (See Table 24 for 1989 data.) The exposure of the investor-owned electric utilities to future financial strains, brought about by uncertainty of regulatory treatment when a plant is introduced into commercial service and rate base, has been significantly reduced

over the last several years as reflected in the substantial decline in the CWIP account.

The Current Assets to Current Liabilities ratio for the investor-owned electric utilities was 0.99 at the end of 1989 (Table 8). This change from a value of 1.02 in the prior year occurred as a result of current liabilities rising at a greater rate than current assets. Current assets rose \$2.4 billion in 1989, while current liabilities increased \$3.6 billion. This change resulted in a net reduction in working capital of \$1.2 billion. Accounts payable increased 13 percent in 1989 to \$11.7 billion from \$10.4 billion in 1988 on the liability side. Cash and near cash accounts (special deposits, working funds, and temporary cash investments) decreased by 16 percent in 1989.

Total capitalization of the investor-owned electric utilities increased \$4.3 billion between 1988 and 1989 (Table 7). Long-term debt increased from \$160.7 billion in 1988 to \$162.9 billion in 1989, as utilities sought to finance their operations with debt instead of equity (Table 7). Long-term debt as a percent of capitalization moved upward slightly to 48.8 percent as opposed to 48.7 percent in 1988. The trend of shifting away from preferred stock continued in 1989. The trend toward lesser amounts of preferred stock resulted in a decline of the preferred stock to total capitalization ratio from 8.0 percent in 1988 to 7.8 percent in 1989. The decline in preferred stock amounted to \$0.4 billion. Total proprietary capital increased \$2.0 billion resulting mainly from an increase in common stock issues. The Total Debt to Total Assets ratio continued to decline in 1989, from 36.7 percent in 1988 to 36.3 percent in 1989. This continued a trend going back a number of years. While accumulated deferred income tax credits continued to grow increasing by \$3.1 billion in 1989 to \$53.3 billion, the deferred investment tax credits continued to decline. The decline in deferred investment tax credits reflected the amortization of prior credits. (See Table 7 for Total Deferred Credits.)

Statement of Cash Flows

On October 13, 1988, the Federal Energy Regulatory Commission (FERC) issued Order No 105, Statement of Cash Flows, to replace the Statement of Changes in Financial Position in the FERC annual report forms. The FERC did not require restatement of the information from prior years. For this publication, a 4-year Statement of Cash Flows has been developed using the actual data for 1989 and 1988 and estimated data from the prior Statement of Changes in Financial Position for the years, 1986 and 1987. (See the Technical Notes at the end of the publication for a brief description of the methodology employed in constructing the Statement of Cash Flows.)

Net cash provided by operating activities increased relatively little in 1989, to \$36.7 billion from \$36.5 billion in 1988, although net income rose 7.9 percent to \$17.3 billion. Growth in depreciation and depletion charges of \$0.7 billion were offset by declines of \$1.1 billion in amortization, \$0.9 billion in deferred income taxes, and \$0.1 billion in investment tax credits.

Internal cash generated by operations, which is net income less dividends declared plus noncash charges (depreciation and depletion, amortization, deferred income taxes (net), investment tax credit adjustment (net), AFUDC, and other) amounted to a total of \$19.5 billion compared to \$20.2 billion in 1988. Construction expenditures rose to \$25.0 billion in 1989, a 3.8 percent change from 1988. This increase in capital expenditures reversed a trend of decreasing capital expenditures. The net effect was a reduction in the ratio of internally generated funds to construction expenditures from 84.0 percent in 1988 to 77.9 percent in 1989. External financing, which is referred to as cash provided by outside sources, increased as utilities financed \$19.8 billion from outside sources, an increase of \$0.9 billion from 1988. Virtually all the increase can be attributed to increased use of long-term debt and other sources (such as capital contributions from parent company). In 1989 long-term debt rose 9 percent from \$12.6 billion in 1988 to \$13.7 billion. Retirements of long-term securities (long-term debt, preferred stock, and common stock) increased to \$14.6 billion in 1989 from 1988, an increase of 10 percent.

Dividend payments in preferred stock declined 3.6 percent in 1989, to \$2.0 billion, while investors in common

stock received an increase in the dividends from common stock of 2.1 percent.

Electric Utility Consumers and Sales

The investor-owned electric utilities experienced smaller increases in sales volume as a result of milder weather and a slowdown in economic growth. In 1989 total sales to ultimate consumers rose only 2.7 percent, compared to a 4.7 percent growth in 1988. Total sales increased 2.9 percent as sales for resale increased 3.8 percent (Table 14). Total revenues from sales to ultimate consumers totaled \$133.6 billion in 1989, an increase of 4.5 percent over 1988. The industrial sector reported the largest growth in sales volume of 3.6 percent followed by increases of 3.2 percent and 1.5 percent, respectively, in the commercial and residential sectors. In 1988, the increases in sales of electricity for the residential, commercial, and industrial sectors were 4.9 percent, 5.8 percent, and 3.9 percent, respectively. Sales to other consumers increased 2.2 percent in 1989 (Table 14).

The average revenue per kilowatthour sold rose in all three sectors in 1989. In the commercial sector the average revenue per kilowatthour sold rose 2.4 percent and in the residential sector the increase was 2.3 percent. In the industrial sector the average revenue per kilowatthour sold increased less than 1 percent (Table 15).

Industrial consumers represented the largest share of sales of electricity, 36 percent of sales to the ultimate consumers. Residential consumers and commercial consumers represented 32 percent and 29 percent of sales to the ultimate consumers, respectively. The other consumers represented 3 percent of sales to the ultimate consumers in 1989.

The residential consumers contributed 34 percent in 1989 to the increase in total revenues from sales to ultimate consumers for the investor-owned electric utilities, while commercial consumers contributed 39 percent of the increase in revenues. The industrial consumers contributed 25 percent of the increase in revenues in 1989. The other consumers made a limited contribution (2 percent) to increasing the revenues in 1989.

Research, Development, and Demonstration

Expenditures by each major investor-owned electric utility for the years 1985 through 1989 are presented in Table 45.

Technology can support the competitive position of a business by cutting operating costs and opening up new markets. Technology can also provide the means for taking a more proactive role in protecting health and the environment; it even offers options for redesigning the future. Investor-owned electric utilities involved in development of new technology through research, development, and demonstration can attain business objectives and maintain a competitive position through new fuels and energy forms.

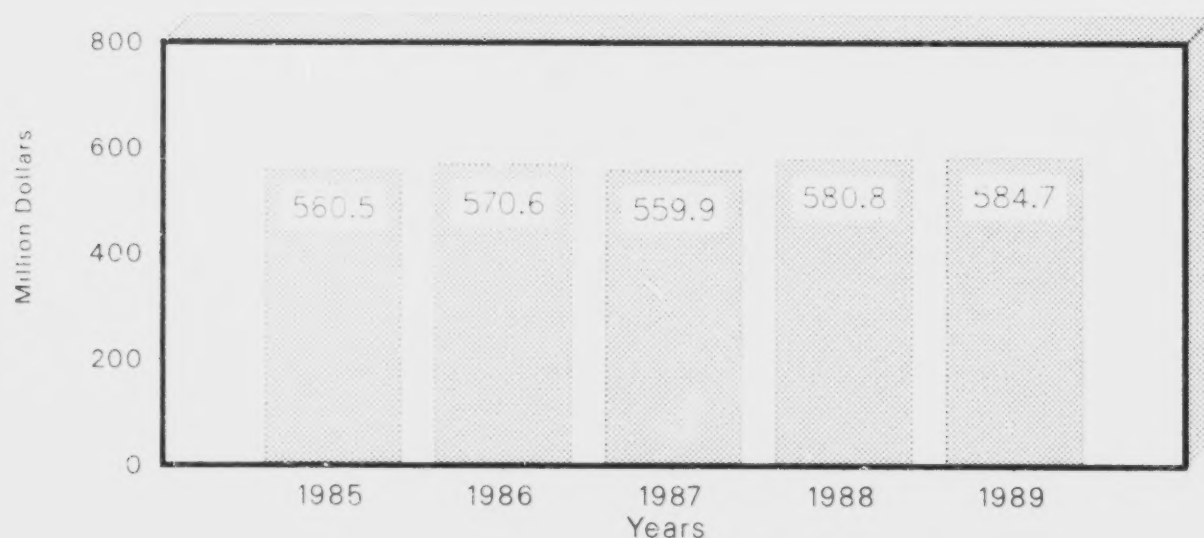
The FERC, in its accounting review and ratemaking treatment of expenditures made by natural gas and electric utility companies for research, development, and demonstration, found an apparent low level of such expenditures in relationship to the total utility operating revenues. The FERC, in its belief that technological advances must be made by the respective industries, issued Order No. 408, August 26, 1970, that adopted policies to encourage a greater research commitment by industry.

The FERC issued Order No. 483 on April 30, 1973, which amended research and development accounting and reporting requirements to further encourage research commitments of industry. The order permitted investor-owned electric utilities to request advance rate base assurances from the FERC for research and development expenditures of \$50,000 or more for each project undertaken.

The order also applies to part of a project undertaken by others or for a group of projects that together cost \$50,000 or more. For implementation, the order proposed that investor-owned electric utilities could request authorization from the FERC to track expenditures of \$50,000 or more in Research, Development, and Demonstration expenditures (Account 188). In addition to expenditures for research and development made by the investor-owned electric utilities, substantial and additional expenditures in areas of interest to the electric utility industry may also be made by manufacturing firms that supply equipment to the industry.

Total expenditures in 1989 by the major investor-owned electric utility companies for research, development, and demonstration amounted to \$584.7 million. More information regarding research, development, and demonstration is contained in Table 45.

Figure 1. Research, Development, and Demonstration Expenditures for Investor-Owned Electric Utilities, 1985-1989



Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Environmental Protection

On December 2, 1975, the FERC issued Order Number 542 which established the reporting of capital costs and annual expenses for operating environmental protection facilities and activities. Each year, all major investor-owned electric utilities are required to report these activities on the FERC Form 1.

When fossil fuels are burned in the production of electricity, a variety of gases and particulates are formed. If these gases and particulates are not captured by some pollution control equipment, they are released into the atmosphere.

Among the gases emitted during the burning of fossil fuels are sulfur dioxide (SO_2), nitrogen oxides (NO_x), and carbon dioxide (CO_2). Coal-fired generating units produce more sulfur dioxide and nitrogen oxides than other fossil fuel units for two reasons. First, coal generally contains more sulfur than other fossil fuels and creates more nitrogen oxides when burned. Second, more coal-fired generating capacity exists than any other type.

To respond to concerns about emissions of sulfur dioxide and nitrogen oxides, as well as several other air pollutants, Congress passed the Clean Air Act (CAA) in 1963. It was not until 1970, however, that the Environmental Protection Agency was empowered to set enforceable air quality standards. In 1971, this Agency established New Source Performance Standards (NSPS) that required coal-fired utility boilers built after August 17, 1971, to emit no more than 1.2 pounds of sulfur dioxide per million Btu of heat input. Requirements for nitrogen oxides were more complex, with allowable limits ranging from 0.2 pounds per million Btu to 0.8 pounds per million Btu, depending on the type of fuel burned and the combustion device used.

In 1977, Congress amended the CAA to require States to set limits on existing sources in regions not attaining goals established in the previous Act. In 1979, the Environmental Protection Agency established the Revised New Source Performance Standards (RNSPS). The new standards retain the 1971 NSPS standard of 1.2 pounds of sulfur dioxide per million Btu of heat input, but require sulfur dioxide emissions from all new or modified (post 1978) boilers to be reduced by at least 90 percent unless 90 percent removal reduces emissions to less than 0.6 pounds per million Btu. If emissions fall below that level, reductions between 70 and 90 percent are permitted, depending on the sulfur content of the coal. RNSPS for nitrogen oxides are complex and, as with NSPS, set limits varying from 0.2 to 0.8 pounds per million Btu, depending on the type of fuel burned and combustion device used. RNSPS for nitrogen oxides differ from NSPS in the number of categories of combustion into which they are divided.

Investments in environmental protection facilities applicable to electric utility plant, increased by \$2.4 billion to \$49.4 billion from \$47.0 billion in 1988. By the end of 1989, this represented 11.5 percent of the investment in electric utility plant. In addition, \$4.5 billion of the environmental protection facilities construction work in progress was included in electric utility plant, which represented 13.2 percent of the electric utility plant construction work in progress. Historical data are contained in Table 4. More detailed information in environmental protection facilities is contained in Table 46.

In 1989, the major investor-owned electric utilities recorded operating expenses of \$2.2 billion related to environmental protection facilities. This represents 1.8 percent of total electric operating expenses. Further details concerning environmental protection expenses are contained in Table 47.

Table 4. Investments in Environmental Protection and Construction Work in Progress for Investor-Owned Electric Utilities on December 31, 1985-1989

Year	Environmental Investments (thousand dollars)	Electric Utility Plant ¹ (thousand dollars)	Percent of Electric Utility Plant	Environmental CWIP (thousand dollars)	Electric Utility CWIP ² (thousand dollars)	Percent of Electric Utility CWIP
1985	36,405,745	312,913,885	11.6	9,124,216	83,970,176	10.9
1986	36,335,874	344,133,244	10.6	8,340,504	75,334,698	11.1
1987	44,818,600	383,532,411	11.7	5,485,970	51,029,217	10.8
1988	47,005,176	409,092,233	11.5	4,548,741	40,298,296	11.3
1989	49,370,594	428,700,561	11.5	4,454,276	33,714,555	13.2

¹ Excludes cost of nuclear fuel.

² Excludes other utility plant CWIP.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 5. Composite Statement of Income and Retained Earnings for
Investor-Owned Electric Utilities, 1985 - 1989**
(Thousand Dollars)

Item	1989	1988	1987	1986	1985
Electric Utility Operating Income					
Electric Operating Revenues	150,903,317	143,930,420	138,548,938	136,257,358	135,267,733
Electric Operating Expenses					
Operation Expense	76,451,124	72,742,004	68,616,305	66,987,757	70,953,919
Maintenance Expense	11,271,632	10,913,539	10,312,203	9,704,318	9,203,068
Depreciation Expense	14,059,747	13,208,874	12,046,765	10,832,600	9,770,227
Amortization	973,214	260,481	-178,203	311,448	566,295
Taxes Other Than Income Taxes	10,796,423	10,319,912	9,744,870	9,371,961	8,886,113
Federal Income Taxes	5,954,609	5,197,301	5,901,167	5,667,171	4,638,966
Other Income Taxes	893,760	882,903	818,044	785,398	707,641
Provision for Deferred Income Taxes	8,386,173	7,781,173	10,194,978	10,599,027	7,867,842
(less) Provision for Deferred Income Taxes (credit)	6,906,547	5,703,013	6,457,197	5,025,901	3,365,950
Investment Tax Credit Adjustments (net)	-312,894	-246,462	568,765	942,661	1,908,566
(less) Gains from Disposition of Utility Plant	22,059	10,358	13,269	13,197	10,725
Losses from Disposition of Utility Plant	6,878	1,272	2,944	2,143	1,025
Total Electric Operating Expenses	121,552,060	115,347,626	111,557,374	110,165,384	111,126,987
Net Electric Operating Income	29,351,256	28,582,794	26,991,564	26,091,974	24,140,746
Gas Utility Operating Income					
Gas Operating Revenues	15,119,408	14,580,945	14,113,720	15,827,564	18,653,070
Gas Operating Expenses					
Operation Expense	11,552,345	11,144,445	10,728,342	12,390,529	15,143,467
Maintenance Expense	419,280	411,858	393,261	382,658	366,621
Depreciation Expense	6,252,597	652,679	626,294	558,037	523,585
Amortization	35,115	25,785	23,761	41,940	17,720
Taxes Other Than Income Taxes	880,534	835,601	833,212	869,587	886,392
Federal Income Taxes	283,589	286,225	366,560	271,636	360,970
Other Income Taxes	53,071	44,766	43,799	27,232	75,112
Provision for Deferred Income Taxes	380,930	388,979	366,476	497,054	348,417
(less) Provision for Deferred Income Taxes (credit)	317,164	311,194	295,355	305,976	253,720
Investment Tax Credit Adjustments (net)	-7,645	-5,654	-1,111	14,901	59,393
(less) Gains from Disposition of Utility Plant	447	219	135	73	0
Losses from Disposition of Utility Plant	2	0	1	0	139
Total Gas Operating Expenses	13,972,207	13,473,072	13,085,106	14,747,524	17,528,097
Net Gas Utility Operating Income	1,147,200	1,107,873	1,028,614	1,080,040	1,124,973
Other Utility Operating Income					
Other Utility Operating Revenues	1,044,871	976,899	982,187	746,788	878,053
Other Utility Operating Expenses					
Operation Expense	773,309	729,283	749,618	537,469	639,487
Maintenance Expense	63,082	61,693	59,016	63,865	63,387
Depreciation Expense	51,119	47,060	43,312	33,230	33,602
Amortization	1,776	-2,661	-2,621	-4,134	143
Taxes Other Than Income Taxes	74,244	67,259	68,224	60,972	65,363
Federal Income Taxes	14,356	13,808	8,091	14,852	-93
Other Income Taxes	2,124	2,113	576	1,328	120
Provision for Deferred Income Taxes	53,508	58,038	67,726	62,063	36,240
(less) Provision for Deferred Income Taxes (credit)	56,001	65,647	75,378	78,732	20,801
Investment Tax Credit Adjustments (net)	-1,558	-1,286	-655	1,838	-1,215
(less) Gains from Disposition of Utility Plant	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0
Total Other Utility Operating Expenses	975,958	909,659	917,909	692,750	816,232
Net Other Utility Operating Income	68,913	67,240	64,278	54,037	61,821

See endnotes at end of this table

Table 5. Composite Statement of Income and Retained Earnings for Investor-Owned Electric Utilities, 1985 - 1989 (Continued)
(Thousand Dollars)

Item	1989	1988	1987	1986	1985
Total Utility Operating Income					
Total Utility Operating Revenues	167,067,596	159,488,265	153,644,845	152,831,710	154,798,856
Total Utility Operating Expenses					
Operation Expense	88,776,778	84,615,732	80,094,265	79,915,755	86,736,873
Maintenance Expense	11,753,994	11,387,090	10,764,480	10,150,841	9,633,076
Depreciation Expense	14,803,462	13,908,613	12,716,371	11,423,967	10,327,415
Amortization	1,010,105	283,605	-157,063	349,254	584,158
Taxes Other Than Income Taxes	11,751,202	11,222,772	10,646,307	10,342,520	9,837,868
Federal Income Taxes	6,252,554	5,497,334	6,275,818	5,953,659	4,999,842
Other Income Taxes	948,955	929,782	862,419	813,958	782,873
Provision for Deferred Income Taxes	8,820,611	8,228,190	10,629,181	11,158,143	8,252,498
(less) Provision for Deferred Income Taxes (credit)	7,279,712	6,079,854	6,827,930	5,410,609	3,640,471
Investment Tax Credit Adjustments (net)	-322,097	-253,602	566,999	959,399	1,966,744
(less) Gains from Disposition of Utility Plant	22,505	10,577	13,404	13,270	10,725
Losses from Disposition of Utility Plant	6,880	1,272	2,945	2,143	1,164
Total Utility Operating Expenses	136,500,226	129,730,357	125,560,389	125,605,659	129,471,315
Net Utility Operating Income	30,567,370	29,757,908	28,084,456	27,226,051	25,327,541
Other Income and Deductions					
Other Income					
Nonutility Operating Income	3,987	-2,975	-733	-54	-2,153
Equity in Earnings of Subsidiary Companies	939,353	431,359	744,741	696,279	620,097
Interest and Dividend Income	1,074,676	1,082,220	978,492	1,018,551	1,062,709
Allowance for Other Funds Used					
During Construction	1,202,004	1,615,721	3,076,304	4,072,099	4,948,984
Miscellaneous Nonoperating Income	1,826,605	1,819,591	1,497,099	1,172,630	614,399
Gain on Disposition of Property	168,920	84,194	268,953	260,632	186,416
Total Other Income	5,215,554	5,030,110	6,561,855	7,220,138	7,430,451
Other Income Deductions					
Loss on Disposition of Property	922,356	5,048	127,560	29,640	31,977
Miscellaneous Amortization	35,642	32,027	22,575	-12,451	5,300
Miscellaneous Income Deductions	2,640,070	4,024,046	2,127,058	1,347,483	1,106,270
Total Other Income Deductions	3,598,068	4,061,121	2,277,193	1,364,673	1,143,547
Taxes to Other Income and Deductions					
Taxes Other Than Income Taxes	25,640	24,563	24,825	20,486	22,309
Federal Income Taxes	-604,244	-436,002	-765,584	-1,100,191	-927,222
Other Income Taxes	-87,638	-81,874	-64,963	-80,243	-84,351
Provision for Deferred Income Taxes	1,065,950	809,832	704,399	518,050	336,193
(less) Provision for Deferred Income Taxes (credit)	1,137,542	1,248,717	973,766	428,123	634,753
Investment Tax Credit Adjustments (net)	-75,422	-22,857	-57,771	21,462	30,549
(less) Investment Tax Credit	129,869	115,626	97,583	72,692	68,030
Total Taxes on Other Income and Deductions	-943,175	-1,070,681	-1,230,042	-1,121,250	-1,325,304
Net Other Income and Deductions	2,560,660	2,039,670	5,517,703	6,976,716	7,612,208
Interest Charges					
Interest on Long-term Debt	14,472,102	14,360,633	14,194,903	14,679,350	14,403,301
Amortization of Debt Discount and Expenses	157,771	160,933	164,615	171,667	132,603
Amortization of Loss on Reacquired Debt	214,194	198,194	127,941	62,683	24,586
(less) Amortization of Premium on Debt (credit)	5,463	6,414	5,937	6,056	6,435
(less) Amortization of Gain on Reacquired Debt (credit)	20,211	37,629	17,799	16,437	17,024
Interest on Debt to Associated Companies	106,024	45,419	60,135	112,985	207,538
Other Interest Expense	1,069,885	927,071	962,524	810,822	827,322
(less) Allowance for Borrowed Funds Used During Construction (credit)	1,142,007	1,261,283	1,864,473	2,335,543	2,988,945
Net Interest Charges	14,852,295	14,366,924	13,621,908	13,479,472	12,582,948
Income Before Extraordinary Items	18,275,735	17,410,653	19,980,251	20,723,295	20,356,802

See endnotes at end of this table.

**Table 5. Composite Statement of Income and Retained Earnings for
Investor-Owned Electric Utilities, 1985 - 1989 (Continued)**
(Thousand Dollars)

Item	1989	1988	1987	1986	1985
Extraordinary Items					
Extraordinary Income	89,107	619,408	411,176	105,962	489,647
(less) Extraordinary Deductions	1,061,378	2,368,495	1,871,878	712,547	2,893,414
Net Extraordinary Items	-972,271	-1,749,087	-1,460,703	-606,585	-2,403,767
(less) Federal and Other Income Taxes	-9,297	-380,141	-505,183	-306,851	-751,881
Extraordinary Items After Taxes	-962,974	-1,368,946	-955,520	-299,734	-1,651,886
Net Income	17,310,761	16,041,707	19,024,731	20,423,561	18,704,916
Unappropriated Retained Earnings					
Retained Earnings - Beginning of Year	47,039,837	47,091,240	45,441,745	40,655,967	37,664,996
Balance Transferred from Income	16,373,989	15,635,831	18,322,120	19,750,409	18,099,010
Credits to Retained Earnings	57,158	32,394	59,844	978,764	44,004
(less) Debits to Retained Earnings	43,796	330,814	1,035,520	615,779	229,117
(less) Appropriations of Retained Earnings	14,838	31,033	3,410	-114,974	41,335
(less) Dividends Declared - Preferred Stock	2,417,239	2,264,454	2,297,668	2,649,832	2,964,300
(less) Dividends Declared - Common Stock	14,030,562	13,517,681	12,953,664	12,601,016	11,904,429
Unappropriated Undistributed Subsidiary Earnings	681,138	370,300	454,434	346,753	357,541
Retained Earnings - End of Year	47,645,688	46,985,782	47,987,879	45,980,220	41,026,370
Appropriated Retained Earnings	47,839	37,843	19,642	19,429	18,790
Appropriated Retained Earnings - Amortization Reserve, Federal	51,637	54,230	36,042	32,679	31,396
Total Retained Earnings	47,745,164	47,077,855	48,043,562	46,032,328	41,076,556

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 6. Ratios Based on the Composite Statement of Income and Retained Earnings for Investor-Owned Electric Utilities, 1985 - 1989

Ratio	1989	1988	1987	1986	1985
Electric Operations					
Electric Operating Revenues as a Percent of Total Operating Revenues	90.3	90.2	90.2	89.2	87.4
Percent of Electric Operating Revenues					
Electric Operation and Maintenance Expenses	58.1	58.1	57.0	56.3	59.3
Electric Depreciation and Amortization	10.0	9.4	8.6	8.2	7.6
Federal Income Taxes - Electric	3.9	3.6	4.3	4.2	3.4
Other Income Taxes - Electric	7.7	7.8	7.6	7.5	7.1
Provision for Deferred Taxes on Income	5.6	5.4	7.4	7.8	5.8
Provision for Deferred Income Taxes (credit)	4.6	4.0	4.7	3.7	2.5
Investment Tax Credit Adjustments (net)	- 2	- 2	4	7	1.4
Total Electric Operating Expenses	80.5	80.1	80.5	80.9	82.2
Net Electric Operating Income	19.5	19.9	19.5	19.1	17.8
All Utility Operations					
Dividend Appropriations					
Preferred Stock Ratios					
Percent of Operating Revenues	1.4	1.4	1.5	1.7	1.9
Average Dividend Rate	9.2	8.5	8.3	9.1	9.8
Interest Coverage	7.2	7.1	8.3	7.7	6.3
Common Stock Ratios					
Percent of Operating Revenues	8.4	8.5	8.4	8.2	7.7
Percent of Earnings Available For Common Stock ¹	94.2	98.1	77.4	70.9	75.6
Percent of Average Common Equity					
Dividends Appropriation - Common Stock	9.7	9.5	9.2	9.3	9.4
Interest on Long-term Debt					
Percent of Total Operating Revenues	8.7	9.0	9.2	9.6	9.3
Average Interest Rate	8.9	9.0	9.0	9.5	9.8
Net Income Divided by Operating Revenues (Profit Margin)	10.4	10.1	12.4	13.4	12.1

¹ Includes earnings on equity investments in subsidiary companies.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 7. Composite Balance Sheet for Investor-Owned Electric Utilities
on December 31, 1985 - 1989
(Thousand Dollars)**

Item	1989	1988	1987	1986	1985
Utility Plant					
Electric Utility Plant	428,700,561	409,092,233	383,532,411	344,133,244	312,913,885
Electric Construction Work in Progress	33,714,555	40,298,296	51,029,217	75,334,698	83,970,176
Total Electric Utility Plant	462,415,116	449,390,529	434,561,628	419,467,942	396,884,061
(less) Electric Utility Depreciation, Amortization, and Depletion	124,954,934	113,523,644	103,204,272	93,870,650	85,091,888
Net Electric Utility Plant (less nuclear fuel)	337,460,182	335,866,884	331,357,356	325,597,292	311,792,173
Nuclear Fuel	19,159,604	18,937,767	18,078,981	15,216,095	14,363,097
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	10,458,960	9,295,086	7,692,082	6,615,830	5,725,644
Net Nuclear Fuel	8,700,644	9,642,680	10,386,899	8,600,265	8,637,453
Other Utility Plant	25,472,399	23,957,220	22,404,405	20,718,831	19,289,287
Other Utility Construction Work in Progress	813,454	674,803	664,741	515,155	605,080
Total Other Utility Plant	26,285,853	24,632,023	23,069,146	21,233,985	19,894,368
(less) Other Utility Accumulated Provision for Depreciation, Amortization and Depletion	9,223,285	8,503,331	7,830,406	7,222,210	6,542,432
Net Other Utility Plant	17,062,569	16,128,691	15,238,740	14,011,776	13,351,936
All Utility Plant	473,332,563	451,987,220	424,015,796	380,068,170	346,566,269
All Utility Plant Construction Work in Progress	34,528,010	40,973,098	51,693,958	75,849,853	84,575,257
Total All Utility Plant	507,860,573	492,960,318	475,709,754	455,918,023	431,141,526
(less) All Utility Plant Accumulated Provisions for Depreciation, Amortization and Depletion	144,637,179	131,322,052	118,726,760	107,708,690	97,359,964
Net All Utility Plant	363,223,394	361,638,256	356,982,995	348,209,333	333,781,562
Other Property and Investments					
Nonutility Property (less Accumulated Provisions for Depreciation and Amortization)	706,377	676,442	691,609	738,925	581,481
Investments in Associated Companies	216,759	192,624	190,141	118,501	41,227
Investments in Subsidiary Companies	11,290,976	11,098,177	11,191,747	9,118,030	8,349,761
Other Investments	1,342,530	1,386,502	1,878,885	2,011,753	1,777,593
Special Funds	2,579,516	1,846,937	1,609,211	1,475,771	1,358,293
Total Other Property and Investments	16,136,757	15,200,683	15,561,593	13,462,980	12,108,355
Current and Accrued Assets					
Cash	266,224	193,604	144,623	574,296	495,886
Special Deposits	875,967	1,305,123	1,987,792	1,254,194	1,310,714
Working Funds	128,347	99,929	105,440	110,554	129,121
Temporary Cash Investments	3,597,990	4,213,715	5,588,603	5,775,466	6,049,606
Notes and Accounts Receivable (net)	14,057,358	13,070,939	12,997,600	12,444,392	13,018,592
Receivables from Associated Companies	2,564,812	1,720,485	1,778,841	1,620,905	1,525,613
Materials and Supplies	10,712,587	10,185,067	10,437,011	10,163,103	10,316,815
Prepayments	1,822,486	1,718,592	1,664,120	1,578,078	1,533,701
Miscellaneous Current and Accrued Assets	7,490,394	6,614,832	5,953,312	4,840,376	5,249,347
Total Current and Accrued Assets	41,516,163	39,122,286	40,857,341	38,361,365	39,429,394
Deferred Debits					
Unamortized Debt Expense	1,074,403	1,015,195	1,065,459	1,027,991	877,865
Extraordinary Property Losses	493,859	520,973	634,446	862,234	1,361,079
Unrecovered Plant and Regulatory Study Costs	7,341,130	3,663,138	2,600,451	2,946,220	2,985,331
Preliminary Survey and Investigation Charges	305,174	270,243	257,039	213,642	180,729
Clearing Accounts	60,574	66,820	35,577	51,807	61,094
Deferred Losses from Disposition of Utility Plant	162	515	919	80	102
Research, Development and Demonstration Expenditures	88,613	31,517	46,557	56,188	42,274
Unamortized Loss on Recquired Debt	2,554,856	2,387,254	2,288,449	1,914,377	573,566
Accumulated Deferred Income Taxes	10,153,730	8,156,073	6,008,317	3,569,169	1,993,769
Other Deferred Debits	22,774,121	22,223,936	19,931,734	15,426,285	11,320,745
Total Deferred Debits	44,846,622	38,335,664	32,868,949	26,067,995	19,396,552
Total Assets and Other Debits	465,722,937	454,296,889	446,270,877	426,101,673	404,715,863

See endnotes at end of this table

**Table 7. Composite Balance Sheet for Investor-Owned Electric Utilities
on December 31, 1985 - 1989 (Continued)**
(Thousand Dollars)

Item	1989	1988	1987	1986	1985
Proprietary Capital					
Common Stock Issued	56,973,021	54,300,924	53,091,899	53,218,928	52,785,933
Preferred Stock Issued	25,944,650	26,371,225	26,761,357	28,370,110	30,020,101
Capital Stock Subscribed					
Liability and Premium	25,334,812	27,468,104	27,829,375	27,757,043	26,549,800
Other Paid-in Capital	13,797,045	12,940,983	12,447,523	10,623,041	9,746,435
Installments Received on Capital Stock	2,018	1,346	1,467	284	892
(less) Discount on Capital Stock	20,511	24,764	25,957	26,683	24,695
(less) Capital Stock Expense	659,629	674,657	679,883	711,639	724,790
Retained Earnings	47,745,164	47,077,855	48,043,562	46,032,328	41,076,556
Unappropriated Undistributed Subsidiary Earnings	2,827,982	2,479,269	2,603,571	2,314,482	2,151,288
(less) Recquired Capital Stock	824,024	853,235	379,745	157,040	100,807
Total Proprietary Capital	171,120,528	169,087,050	169,693,170	167,420,853	161,480,714
Long-term Debt					
Bonds (less reacquired)	130,418,759	130,304,723	129,626,210	126,653,783	122,039,086
Advances from Associated Companies	100,123	229,000	145,401	552,771	898,491
Unamortized Premium on Long-term Debt	48,952	54,037	59,253	65,422	71,831
(less) Unamortized Discount on Long-term Debt	928,439	950,339	966,096	1,026,631	868,460
Other Long-term Debt	33,309,045	31,089,265	29,556,623	30,968,431	30,520,535
Total Long-term Debt	162,948,440	160,726,686	158,421,392	157,213,706	152,661,482
Total Capitalization	334,068,968	329,813,736	328,114,562	324,634,559	314,142,196
Other Noncurrent Liabilities					
Obligations under Capital Lease-Noncurrent	5,271,084	5,363,006	5,316,326	3,833,169	3,642,144
Accumulated Provision for Property Insurance	195,105	172,657	155,045	137,433	121,732
Accumulated Provision for Injuries and Damages	558,529	520,098	472,311	425,512	352,375
Accumulated Provision for Pensions and Benefits	378,747	323,859	229,907	166,786	115,640
Accumulated Miscellaneous Operating Provisions	980,236	940,739	703,535	622,992	504,353
Accumulated Provision for Rate Refunds	419,416	391,529	412,853	292,649	187,096
Total Other Noncurrent Liabilities	7,803,119	7,711,888	7,289,977	5,478,540	4,923,340
Current and Accrued Liabilities					
Notes Payable	5,929,421	5,843,202	7,500,551	4,979,358	3,304,766
Accounts Payable	11,734,221	10,367,303	9,648,926	9,645,805	10,346,085
Payables to Associated Companies	2,971,079	2,053,034	2,269,259	1,934,581	2,047,703
Taxes Accrued	6,401,255	5,323,907	5,686,023	6,020,881	5,161,977
Interest Accrued	3,834,349	3,852,958	3,766,384	3,752,668	3,882,290
Dividends Declared	1,486,833	1,536,509	1,531,631	1,609,842	1,587,174
Tax Collections Payable	506,550	468,354	438,494	422,505	418,483
Other Current and Accrued Liabilities	9,160,351	8,966,805	8,483,623	5,636,331	5,236,198
Total Current and Accrued Liabilities	42,023,659	38,412,073	39,344,892	34,001,972	31,984,677
Deferred Credits					
Customer Advances for Construction	844,713	800,875	782,741	764,265	718,815
Accumulated Deferred Investment Tax Credits	15,886,418	16,792,695	17,275,481	16,993,188	16,176,956
Deferred Gains from Disposition of Utility Plant	134,246	142,060	136,997	147,857	3,167
Unamortized Gain on Recquired Debt	117,366	124,320	126,772	158,790	144,015
Accumulated Deferred Income Taxes	53,328,188	50,247,264	45,917,405	39,613,203	32,749,353
Other Deferred Credits	11,516,261	10,251,977	7,282,051	4,309,300	3,873,344
Total Deferred Credits	81,827,192	78,359,191	71,521,446	61,986,603	53,665,650
Total Liabilities and Other Credits	465,722,937	454,296,889	446,270,877	426,101,873	404,715,863

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 8. Composite Financial Indicators for Investor-Owned Electric Utilities, 1985 - 1989

Ratio	1989	1988	1987	1986	1985
Activity					
Electric Fixed Asset (Net Plant) Turnover ¹	0.45	0.43	0.42	0.42	0.43
Total Asset Turnover ¹	36	35	34	36	39
Electric Utility Plant ² per Dollar of Revenue	3.19	3.25	3.27	3.19	3.04
Other Utility Plant ² per Dollar of Revenue	1.63	1.58	1.53	1.28	1.02
Total Utility Plant ² per Dollar of Revenue	3.04	3.09	3.10	2.98	2.79
Total Electric Plant to Total Assets	99.3	98.9	97.4	98.4	98.1
Net Electric Plant to Total Assets	72.5	73.9	74.3	76.4	77.0
Utility Operating Revenue to Total Assets & Other Debits ³	35.9	35.1	34.4	35.9	38.3
Total Utility Depreciation and Amortization to Total Utility Plant	3.1	2.9	2.6	2.6	2.5
Leverage					
Current Assets to Current Liabilities	99	102	104	113	123
Percent of Capitalization					
Long-term Debt	48.8	48	48.3	48.4	48.6
Preferred Stock	7.8	8.0	8.2	8.7	9.6
Common Stock and Paid-in Capital ⁴	28.3	28.5	28.1	27.9	28.1
Retained Earnings ⁵	15.1	15.0	15.4	14.9	13.8
Percent of Total Capitalization (Average)					
Common Equity ⁶	43.4	43.3	43.2	42.4	41.7
Percentage of Total Capitalization Including					
Short-term Debt					
Short-term Debt ⁷	1.7	1.7	2.2	1.5	1.9
Long-term Debt ⁷	47.9	47.9	47.2	47.7	48.1
Preferred Stock ⁷	7.6	7.9	8.0	8.6	9.5
Common Equity ⁷	42.7	42.5	42.6	42.2	41.4
Internally Generated Funds to Construction Expenditures ⁸	77.9	* 84.0	69.8	72.5	60.8
Internally Generated Funds to Electric Operating Revenues ⁸	12.9	* 14.1	13.2	15.3	13.6
Interest Coverage Before Taxes with AFUDC	2.61	2.54	2.75	2.70	2.64
Interest Coverage Before Taxes without AFUDC	2.46	2.35	2.42	2.29	2.12
Total Debt to Total Assets ⁹	36.3	36.7	37.2	38.1	38.5
Common Stock Equity to Total Assets ⁹	31.2	31.4	32.0	32.6	32.5
Accumulated Provision for Depreciation					
Percent of Total Utility Plant	28.5	26.6	25.0	23.6	22.6
Profitability					
Return on Average Common Stock Equity ¹⁰	12.0	11.2	13.5	15.1	14.8
Return on Equity ¹¹	10.3	9.7	11.9	13.1	12.5
Return on Investment ¹²	3.7	3.5	4.3	4.8	4.6

R - Revised data

¹ New ratios in the 1988 publication

² Includes nuclear fuel

³ Includes reacquired capital stock

⁴ Includes Unappropriated Undistributed Subsidiary Earnings

⁵ Calculations for 1988 and 1989 were derived from the new Statement of Cash Flows. Calculations for prior years were derived from the Statement of Changes in Financial Position.

⁶ Includes Equity in Earnings of Subsidiary Companies

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form No. 1 Annual Report of Major Electric Utilities, Licensees and Others.

Table 9. Composite Statement of Cash Flows for Investor-Owned Electric Utilities, 1986 - 1989
(Thousand Dollars)

Item	1989	1988	1987 Estimate	1986 Estimate
Net Cash Flow from Operating Activities				
Net Income	17,312,761	16,041,707	19,024,731	20,423,561
Noncash Charges (Credits) to Income:				
Depreciation and Depletion	14,986,007	14,293,921	13,429,123	11,825,038
Amortization	2,467,628	3,524,115	1,619,449	1,291,560
Deferred Income Taxes (Net)	1,591,796	2,490,599	3,340,800	5,806,147
Investment Tax Credit Adjustment (Net)	-546,428	-406,084	273,420	831,245
Net (Increase) Decrease in Receivables	-1,305,805	-361,468	-553,208	-574,200
Net (Increase) Decrease in Inventory	-474,121	634,092	" -273,908	" 153,712
Net Inc (Dec) in Payables & Accrued Exp	2,665,152	429,639	" 3,075,666	" 2,351,531
Less: Allowance for Other Funds				
Used During Construction	1,220,192	1,623,784	3,289,312	4,070,174
Less: Undistributed Earnings - Sub Co	160,737	250,574	744,741	696,279
Other	1,346,092	1,709,736	296,469	-216,427
Balance (Changes in Financial Position)	0	0	" -2,195,303	" -1,671,079
Net Cash Provided by (Used in) Operating Activities	36,662,153	36,481,900	" 33,706,717	" 36,819,462
Cash Flows from Investment Activities				
Construction & Acquisition of Plant (Inc Land)				
Gross Additions to Utility Plant				
(Less Nuclear Fuel)	-23,582,587	" -23,304,487	-26,505,242	-31,806,878
Gross Additions to Nuclear Fuel	-1,570,134	" -1,597,953	-1,928,053	-1,036,719
Gross Additions to Common Utility Plant	-688,284	-575,949	-691,059	-575,912
Gross Additions to Nonutility Plant	-34,267	" -56,969	-38,927	-45,328
Less: Allowance for Other Funds				
Used During Construction	-1,128,510	" -1,602,392	-3,439,740	-3,988,164
Other	-284,528	" -171,626	-440,567	711,227
Cash Outflows For Plant	-25,031,290	" -24,104,605	-26,164,108	-28,765,446
Acquisition of Other Noncurrent Assets	107,305	114,884	997,973	742,058
Proceeds from Disposal of Noncurrent Assets	189,255	252,582	4,733,687	2,402,553
Investments in & Adv to Assoc & Sub Co	-483,429	" -108,469	-461,322	-869,714
Contributions and Adv from Assoc & Sub Co	131,243	145,371	413,813	250,640
Disp of Invest in (Adv to) Assoc & Sub Co	-63,297	173,382	176,742	-208,414
Purchase of Investment Securities	566,718	580,637	0	0
Proceeds from Sales of Investment Securities	1,059,035	1,029,619	0	0
Loans Made or Purchased	82,533	205,526	0	0
Collections on Loans	8,608	2,226	0	0
Net (Increase) Decrease in Receivables	-48,813	43,888	0	0
Net (Increase) Decrease in Inventory	-17,280	2,086	0	0
Net Inc (Dec) in Payables & Accr Exp	66,540	51,810	0	0
Other	1,524,684	935,129	3,864,947	833,427
Net Cash Provided by (Used in) Investing Activities	-23,421,302	" -23,169,535	-22,299,161	-27,932,019
Cash Flows from Financing Activities				
Proceeds from Issuance of:				
Long-term Debt	13,695,162	12,551,264	16,047,513	25,211,996
Preferred Stock	929,501	894,767	1,936,112	2,030,983
Common Stock	1,347,732	1,466,765	1,814,395	3,201,143
Other	1,721,094	1,000,881	0	0
Net Increase in Short-term Debt	2,107,055	1,946,347	3,037,403	2,964,244
Other	33,336	1,108,937	4,117,782	2,624,352
Cash Provided by Outside Sources	19,833,879	18,968,961	26,953,205	36,032,718
Payment for Retirement of:				
Long-term Debt	13,137,455	" 11,416,168	14,474,420	22,259,296
Preferred Stock	1,405,060	1,681,201	4,168,456	3,425,137
Common Stock	93,770	196,481	752,842	444,403
Other	834,230	1,639,804	3,408,518	3,326,367
Net Decrease in Short-term Debt	-3,233,090	" -3,383,506	-1,207,313	-1,061,443
Dividends on Preferred Stock	2,032,733	" 2,108,619	2,246,373	2,599,328
Dividends on Common Stock	13,499,309	" 13,224,859	12,484,489	12,018,484
Net Cash Provided by Financing Activities	-14,401,768	" -14,681,677	-11,829,206	-9,101,740
Net Increase (Decrease) in Cash and Cash Equivalents	-1,160,917	" -1,369,313	" -421,650	" -214,297
Cash and Cash Equivalents at Beginning of Year	4,739,043	6,101,521	" 6,460,316	" 6,674,313
Cash and Cash Equivalents at End of Year	3,578,126	" 4,732,208	" 6,038,666	" 6,460,316

R Revised data

Note: Totals may not equal sum of components because of independent rounding. The 1986 and 1987 data are estimated from the Statement of Changes in Financial Position and were revised to include working funds and temporary cash investments with the cash and cash equivalent values. See Technical Notes for methodology used. The 1988 data were revised based upon revised submissions by the electric utilities. See Table C.1 for revision error.

Table 10. Electric Operation and Maintenance Expenses for Investor-Owned Electric Utilities, 1985 - 1989
(Thousand Dollars)

Item	1989	1988	1987	1986	1985
Power Production Expenses					
Steam Power					
Operation Expenses					
Supervision and Engineering	513,673	490,216	471,553	453,917	428,918
Fuel	28,925,897	27,829,886	28,082,581	28,744,853	33,978,719
Steam Expenses	866,462	840,766	815,495	803,582	790,820
Steam from Other Sources	135,899	140,021	174,949	295,293	339,460
(less) Steam Transferred (credit)	34,626	34,336	35,919	60,415	91,064
Electric Expenses	424,813	428,919	420,334	424,938	421,706
Miscellaneous Steam Power Expenses	902,272	867,637	819,143	867,398	832,495
Rents	342,451	327,171	229,624	118,552	72,869
Total Operation Expenses	32,076,641	30,890,280	30,977,761	31,648,117	36,773,923
Maintenance Expenses					
Supervision and Engineering	476,798	451,834	429,590	399,761	368,557
Structures	314,782	325,141	322,236	312,007	310,625
Boiler Plant	2,411,315	2,421,938	2,385,574	2,372,949	2,342,135
Electric Plant	922,184	966,387	881,279	885,666	905,351
Miscellaneous Steam Plant	275,168	260,000	258,074	252,840	244,071
Total Maintenance Expenses	4,400,268	4,445,300	4,276,754	4,223,223	4,170,739
Total Steam Power Production Expenses	36,476,909	35,335,579	35,254,515	35,871,340	40,944,662
Nuclear Power					
Operation Expenses					
Supervision and Engineering	1,339,139	1,119,529	889,839	703,082	546,651
Fuel	3,274,944	3,548,836	2,976,771	2,668,439	2,397,904
Coolants and Water	116,875	118,120	94,280	84,501	65,285
Steam Expenses	740,819	662,935	561,097	478,738	438,056
Steam from Other Sources	226	105	753	175	171
(less) Steam Transferred (credit)	-7	-38	-3	-18	-9
Electric Expenses	105,613	104,595	114,354	75,104	65,122
Miscellaneous Nuclear Power Expenses	1,782,110	1,880,774	1,512,405	1,317,470	1,060,530
Rents	436,503	393,643	187,326	74,435	17,493
Total Operation Expenses	7,796,236	7,828,634	6,336,827	5,401,962	4,591,221
Maintenance Expenses					
Supervision and Engineering	641,004	529,386	456,982	416,710	303,500
Structures	187,963	187,485	171,097	148,182	123,193
Reactor Plant Equipment	897,632	809,834	775,509	654,484	539,091
Electric Plant	362,344	332,240	306,681	282,597	220,865
Miscellaneous Nuclear Plant	489,542	468,095	314,415	235,587	196,702
Total Maintenance Expenses	2,578,484	2,327,040	2,024,688	1,717,561	1,383,352
Total Nuclear Power Production Expenses	10,374,720	10,155,674	8,361,516	7,119,523	5,974,572
Hydraulic Power					
Operation Expenses					
Supervision and Engineering	27,849	29,989	26,638	23,244	21,825
Water for Power	21,576	26,192	23,507	26,116	24,225
Hydraulic Expenses	31,444	26,506	25,738	26,691	24,427
Electric Expenses	51,254	51,504	49,511	47,033	44,566
Miscellaneous Hydraulic Expenses	42,083	39,231	34,212	33,628	30,703
Rents	39,287	38,218	37,272	37,930	33,773
Total Operation Expenses	213,493	211,640	196,879	194,643	179,519

See endnotes at end of this table

**Table 10. Electric Operation and Maintenance Expenses for
Investor-Owned Electric Utilities, 1985 - 1989 (Continued)**
(Thousand Dollars)

Item	1989	1988	1987	1986	1985
Maintenance Expenses					
Supervision and Engineering	21,682	20,113	18,578	19,262	16,690
Structures	14,669	15,201	16,013	14,218	13,979
Reservoirs, Dams, and Waterways	42,508	34,271	35,689	54,488	41,448
Electric Plant	60,737	61,399	69,449	63,558	67,784
Miscellaneous Hydraulic Plant	16,734	13,830	12,483	15,415	14,340
Total Maintenance Expenses	156,331	144,815	152,212	166,941	154,240
Total Hydraulic Power Production Expenses	369,824	356,455	349,091	361,584	333,759
Other Power					
Operation Expenses					
Supervision and Engineering	14,938	12,951	12,205	10,952	11,291
Fuel	736,675	524,708	415,114	373,954	587,458
Generation Expenses	29,283	24,768	21,980	21,618	21,705
Miscellaneous Other Power Expenses	20,868	19,857	24,405	27,401	22,196
Rents	54,782	50,563	39,060	39,911	44,896
Total Operation Expenses	856,546	632,848	512,345	473,835	687,546
Maintenance Expenses					
Supervision and Engineering	16,205	15,547	14,557	12,131	11,735
Structures	11,111	8,560	6,817	7,952	8,624
Generating and Electric Plant	146,669	131,145	110,017	104,149	98,362
Miscellaneous Other Power Plant	8,266	10,283	6,135	9,555	6,929
Total Maintenance Expenses	182,251	165,535	137,526	133,787	125,650
Total Other Power Production Expenses	1,038,797	798,382	650,371	607,622	813,196
Other Power Supply Expenses					
Purchased Power	17,959,051	16,061,339	14,719,733	13,640,925	14,434,941
System Control and Load Dispatching	213,058	211,762	202,595	190,750	177,118
Other Expenses	120,868	349,831	-56,664	427,382	133,720
Total Other Power Supply Expenses	18,292,977	16,622,932	14,865,670	14,259,056	14,745,778
Total Power Production Expenses	66,553,227	63,269,022	59,481,162	58,219,126	62,811,968
Transmission					
Operation Expenses					
Supervision and Engineering	139,249	138,005	134,578	133,943	123,581
Load Dispatching	116,339	110,681	106,471	102,655	97,088
Station Expenses	154,267	151,276	146,269	143,834	139,346
Overhead Line Expenses	40,011	41,113	38,822	35,736	32,672
Underground Line Expenses	4,444	5,324	0	4,360	5,099
Transmission of Electricity by Others	417,629	348,595	327,367	303,323	284,980
Miscellaneous Transmission Expenses	108,505	105,254	103,610	104,261	94,122
Rents	133,104	126,615	122,016	107,899	105,365
Total Operation Expenses	1,113,547	1,026,851	983,285	936,010	882,254

See endnotes at end of this table

Table 10. Electric Operation and Maintenance Expenses for Investor-Owned Electric Utilities, 1985 - 1989 (Continued)
(Thousand Dollars)

Item	1989	1988	1987	1986	1985
Maintenance Expenses					
Supervision and Engineering	59,498	55,700	55,198	54,353	50,087
Structures	16,101	17,235	17,344	17,338	16,408
Station Equipment	288,158	273,536	269,223	261,173	243,525
Overhead Lines	271,371	261,676	258,925	246,389	238,041
Underground Lines	20,311	19,044	21,146	19,549	22,161
Miscellaneous Transmission Plant	16,397	13,758	11,813	12,737	11,430
Total Maintenance Expenses	671,838	640,949	633,649	611,539	581,626
Total Transmission Expenses	1,785,385	1,667,810	1,616,934	1,547,549	1,463,580
Distribution					
Operation Expenses					
Supervision and Engineering	390,959	382,312	358,197	344,178	322,088
Load Dispatching	65,091	62,076	60,154	54,249	51,113
Station Expenses	211,722	213,989	205,101	200,885	196,010
Overhead Line Expenses	311,274	302,390	279,954	273,207	258,539
Underground Line Expenses	169,330	157,785	148,892	138,294	127,832
Street Lighting and Signal System Expenses	56,191	53,263	56,896	57,851	57,286
Meter Expenses	362,061	351,908	351,350	338,721	325,197
Customer Installations Expenses	197,468	198,095	192,607	189,547	187,277
Miscellaneous Distribution Expenses	536,518	520,135	493,340	478,414	441,589
Rents	93,328	89,207	86,055	85,243	79,766
Total Operation Expenses	2,393,944	2,331,160	2,232,547	2,160,590	2,048,700
Maintenance Expenses					
Supervision and Engineering	211,788	204,050	199,813	196,163	181,145
Structures	30,811	29,175	29,709	28,248	27,206
Station Equipment	258,081	257,631	246,463	236,847	227,471
Overhead Lines	1,763,250	1,679,381	1,635,770	1,493,211	1,488,908
Underground Lines	359,758	356,511	333,303	308,399	297,341
Line Transformers	154,537	157,057	143,936	138,123	129,939
Street Lighting and Signal Systems	87,876	90,550	91,710	89,931	88,828
Meters	59,427	57,817	58,632	54,658	57,622
Miscellaneous Distribution Plant	47,340	59,307	58,217	44,381	41,325
Total Maintenance Expenses	2,972,868	2,891,279	2,795,554	2,589,961	2,519,784
Total Distribution Expenses	5,366,812	5,222,439	5,028,100	4,750,550	4,568,484
Customer Accounts Expenses					
Supervision	138,812	132,403	125,392	119,045	109,127
Meter Reading Expenses	510,602	499,603	484,098	470,946	433,851
Customer Records and Collection Expenses	1,727,881	1,637,602	1,556,946	1,510,893	1,437,309
Uncollectible Accounts	328,543	544,148	579,485	545,750	487,393
Miscellaneous Customer Accounts Expenses	76,990	80,424	90,270	69,049	61,731
Total Customer Accounts Expenses	2,992,829	2,894,179	2,876,170	2,715,683	2,524,411
Customer Service and Informational Expenses					
Supervision	97,306	94,813	89,009	90,094	91,617
Customer Assistance Expenses	686,843	621,056	594,042	564,902	513,618
Informational and Instructional Expenses	114,442	113,041	105,623	102,007	93,113
Miscellaneous Customer Service and Informational Expenses	60,883	59,053	61,902	65,425	65,844
Total Customer Service and Informational Expenses	959,473	887,963	850,576	822,428	764,190

See endnotes at end of this table

Table 10. Electric Operation and Maintenance Expenses for Investor-Owned Electric Utilities, 1985 - 1989 (Continued)
(Thousand Dollars)

Item	1989	1988	1987	1986	1985
Sales Expenses					
Supervision	24,062	19,932	15,212	12,521	9,418
Demonstrating and Selling Expenses	118,996	102,128	85,743	53,145	41,818
Advertising Expenses	31,401	29,049	23,106	16,465	7,605
Miscellaneous Sales Expenses	34,195	25,896	18,093	11,093	7,317
Total Sales Expenses	208,655	177,006	142,154	93,223	66,158
Administrative and General Expenses					
Administrative and General Salaries	2,511,485	2,398,676	2,293,382	2,209,434	2,070,602
Office Supplies and Expenses	1,166,659	1,079,120	1,028,171	969,270	891,789
(less) Administrative Expenses Transferred (credit)	312,016	307,565	340,002	322,815	328,191
Outside Services Employed	756,540	767,277	695,807	583,698	485,646
Property Insurance	528,754	588,020	564,343	568,940	456,821
Injuries and Damages	721,772	788,135	770,708	686,261	422,565
Employee Pensions and Benefits	2,548,579	2,424,239	2,249,277	2,150,540	2,278,272
Franchise Requirements	227,431	217,009	206,173	197,699	234,959
Regulatory Commission Expenses	260,654	247,199	234,373	238,614	211,792
(less) Duplicate Charges (credit)	166,485	179,107	172,556	169,779	164,263
General Advertising Expenses	53,953	56,096	58,625	50,980	43,703
Miscellaneous General Expenses	897,799	853,730	803,712	836,801	823,184
Rents	371,641	305,672	299,581	272,565	244,333
Total Operation Expenses	9,546,783	9,238,502	8,691,593	8,282,207	7,672,213
Maintenance of General Plant	309,592	298,622	291,820	261,308	247,676
Total Administrative and General Expenses	9,856,375	9,537,125	8,983,413	8,543,515	7,919,891
Total Electric Operation and Maintenance Expenses	87,722,756	83,655,543	78,928,509	76,692,075	80,156,987
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance					
Production	5,754,165	5,426,705	4,954,179	4,625,831	4,255,649
Transmission	555,592	537,588	521,634	519,925	500,316
Distribution	2,634,407	2,558,238	2,481,410	2,365,021	2,322,173
Customer Accounts	1,505,837	1,463,769	1,426,685	1,393,353	1,350,196
Customer Service and Informational Expenses	361,424	352,369	338,281	338,739	334,220
Sales Expenses	96,397	75,542	57,324	47,698	37,415
Administrative and General	2,530,457	2,413,811	2,287,639	2,239,270	2,098,716
Allocated from Clearing Accounts	1,422,958	1,429,187	1,380,933	1,299,084	1,288,526
Total Salaries and Wages	14,861,236	14,257,210	13,448,085	12,828,920	12,187,211
Number of Electric Department Employees					
Regular Full-time Employees	467,396	474,054	478,977	493,129	492,098
Part-time and Temporary Employees	19,225	32,722	29,391	23,151	23,138
Total Electric Department Employees	486,621	506,776	508,368	516,280	515,236

Note: Operating expenses include fuel expenditures. Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 11. Ratios Based on Electric Operation and Maintenance Expenses for Investor-Owned Electric Utilities, 1985 - 1989

Ratio	1989	1988	1987	1986	1985
Operation and Maintenance Expenses as a Percent of Electric Operating Revenues					
	58.1	58.1	57.0	56.3	59.3
Sales Expense					
Percent of Total Electric Operation and Maintenance Expenses	2	2	2	1	1
Percent of Electric Operating Revenues	1	1	1	1	0
per Kilowatthour Sold (mills)	1	1	1	0	0
per Customer (dollars)	2.54	2.19	1.79	1.20	.87
Customer Service and Informational Expenses					
Percent of Total Electric Operation and Maintenance Expenses	1.1	1.1	1.1	1.1	1.0
Percent of Electric Operating Revenues	6	6	6	6	6
per Kilowatthour Sold (mills)	4	4	4	4	4
per Customer (dollars)	11.68	11.01	10.70	10.55	10.35
Customer Accounts Expenses					
Percent of Total Electric Operation and Maintenance Expenses	3.4	3.5	3.6	3.5	3.1
Percent of Electric Operating Revenues	2.0	2.0	2.0	2.0	1.9
per Kilowatthour Sold (mills)	1.2	1.2	1.3	1.3	1.2
per Customer (dollars)	36.44	35.88	35.55	34.85	33.31
Maintenance Charges					
Percent of Total Electric Operation and Maintenance Expenses	12.8	13.0	13.1	12.7	11.5
Percent of Electric Operating Revenues	7.5	7.6	7.4	7.1	6.8
Percent of Gross Electric Plant	2.3	2.3	2.3	2.2	2.2
Production Expenses					
Percent of Total Electric Operation and Maintenance Expenses	75.9	75.6	75.4	75.9	76.4
Percent of Electric Operating Revenues	44.1	44.0	42.9	42.7	46.4
per Kilowatthour Sold (mills)	27.8	27.2	26.8	27.2	29.5
Transmission Expenses					
Percent of Total Electric Operation and Maintenance Expenses	2.0	2.0	2.0	2.0	1.8
Percent of Electric Operating Revenues	1.2	1.2	1.2	1.1	1.1
per Kilowatthour Sold (mills)	.7	.7	.7	.7	.7
Distribution Expenses					
Percent of Total Electric Operation and Maintenance Expenses	6.1	6.2	6.4	6.2	5.7
Percent of Electric Operating Revenues	3.6	3.6	3.6	3.5	3.4
per Kilowatthour Sold (mills)	2.2	2.2	2.3	2.2	2.2
per Customer (dollars)	65.35	64.74	63.25	60.96	60.53
Fuel Costs¹					
Percent of Total Electric Operation and Maintenance Expenses	33.8	33.9	36.1	38.0	43.1
Percent of Electric Operating Revenues	19.7	19.7	20.6	21.4	25.6
per Kilowatthour Sold (mills)	12.4	12.2	12.9	13.6	16.2

See endnotes at end of this table.

Table 11. Ratios Based on Electric Operation and Maintenance Expenses for Investor-Owned Electric Utilities, 1985 - 1989 (Continued)

Ratio	1989	1988	1987	1986	1985
Nuclear Fuel Costs					
Percent of Total Electric Operation and Maintenance Expenses	3.7	4.2	3.8	3.5	3.0
Percent of Electric Operating Revenues per Kilowatthour Sold (mills)	2.2	2.5	2.1	2.0	1.8
	1.4	1.5	1.3	1.2	1.1
Purchased Power					
Percent of Total Electric Operation and Maintenance Expenses	20.5	19.2	18.6	17.8	18.0
Percent of Electric Operating Revenues per Kilowatthour Sold (mills)	11.9	11.2	10.6	10.0	10.7
	7.5	6.9	6.6	6.4	6.8
Administrative and General Expenses					
Percent of Total Electric Operation and Maintenance Expenses	11.2	11.4	11.4	11.1	9.9
Percent of Electric Operating Revenues per Kilowatthour Sold (mills)	6.5	6.6	6.5	6.3	5.9
	4.1	4.1	4.1	4.0	3.7
Salaries and Wages					
Percent of Total Electric Operation and Maintenance Expenses	16.9	17.0	17.0	16.7	15.2
Percent of Electric Operating Revenues per Kilowatthour Sold (mills)	9.8	9.9	9.7	9.4	9.0
	6.2	6.1	6.1	6.0	5.7
Pensions and Benefits					
Percent of Total Electric Operation and Maintenance Expenses	2.9	2.9	2.8	2.6	2.8
Percent of Electric Operating Revenues per Kilowatthour Sold (mills)	1.7	1.7	1.6	1.6	1.7
	1.1	1.0	1.0	1.0	1.1
Regulatory Commission Expense as a percent of Administrative and General Expenses					
	2.6	2.6	2.6	2.8	2.7

Excludes cost of nuclear fuel.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 12. Electric Operation and Maintenance Expenses for Investor-Owned Electric Utilities by Dollar Amount and Percent of Total, 1988 - 1989

Item	1989		1988	
	Amount (thousand dollars)	Percent of Total Operation and Maintenance Expenses	Amount (thousand dollars)	Percent of Total Operation and Maintenance Expenses
Steam Power				
Operation Expenses				
Fuel	28,925,897	33.0	27,829,886	33.3
Other	3,150,744	3.6	3,060,394	3.7
Total Operation Expenses	32,076,641	36.6	30,890,280	36.9
Maintenance Expenses	4,400,268	5.0	4,445,300	5.3
Total Steam Power Production Expenses	36,476,909	41.6	35,335,579	42.2
Nuclear Power				
Operation Expenses				
Fuel	3,274,944	3.7	3,548,836	4.2
Other	4,521,292	5.2	4,279,798	5.1
Total Operation Expenses	7,796,236	8.9	7,828,634	9.4
Maintenance Expenses	2,578,484	2.9	2,327,040	2.8
Total Nuclear Power Production Expenses	10,374,720	11.8	10,155,674	12.1
Hydraulic Power				
Operation Expenses	213,493	2	211,640	3
Maintenance Expenses	156,331	2	144,815	2
Total Hydraulic Power Production Expenses	369,824	.4	356,455	.4
Other Power				
Operation Expenses				
Fuel	736,675	.8	524,708	6
Other	119,871	1	108,139	1
Total Operation Expenses	856,546	1.0	632,848	.8
Maintenance Expenses	182,251	2	165,535	2
Total Other Power Production Expenses	1,038,797	1.2	798,382	1.0
Other Power Supply Expenses				
Purchased Power	17,959,051	20.5	16,061,339	19.2
System Control and Load				
Dispatching	213,058	2	211,762	3
Other Expenses	120,868	1	349,831	4
Total Other Power Supply Expenses	18,292,977	20.9	16,622,932	19.9
Total Power Production Expenses	66,553,227	75.9	63,269,022	75.6

See endnotes at end of this table

Table 12. Electric Operation and Maintenance Expenses for Investor-Owned Electric Utilities by Dollar Amount and Percent of Total, 1988 - 1989 (Continued)

Item	1989		1988	
	Amount (thousand dollars)	Percent of Total Operation and Maintenance Expenses	Amount (thousand dollars)	Percent of Total Operation and Maintenance Expenses
Transmission Expenses				
Operation Expenses	1,113,547	1.3	1,026,861	1.2
Maintenance Expenses	671,838	.8	640,949	.8
Total Transmission Expenses	1,785,385	2.0	1,667,810	2.0
Distribution Expenses				
Operation Expenses	2,393,944	2.7	2,331,160	2.8
Maintenance Expenses	2,972,868	3.4	2,891,279	3.5
Total Distribution Expenses	5,366,812	6.1	5,222,439	6.2
Customer Accounts Expenses	2,992,829	3.4	2,894,179	3.5
Customer Service and Informational Expenses	959,473	1.1	887,963	1.1
Sales Expenses	208,655	.2	177,006	.2
Total Customer Expenses	4,160,957	4.7	3,959,148	4.8
Administrative and General Expenses				
Other Administrative and General	9,546,783	10.9	9,238,502	11.0
Maintenance of General Plant	309,592	.4	298,622	.4
Total Administrative and General Expenses	9,856,375	11.2	9,537,125	11.4
Total Electric Utility Operation and Maintenance Expenses	87,722,756	100.0	83,655,543	100.0

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 13. Construction Work in Progress for Investor-Owned Electric Utilities on December 31, 1985-1989

Year	Amount (thousand dollars)	Increase	Percent Change
1985	83,970,176	¹ -6,917	-7.6
1986	75,334,698	-8,635,478	-10.3
1987	51,029,217	-24,305,481	-32.3
1988	40,298,296	-10,730,921	-21.0
1989	33,714,555	-6,583,741	-16.3
Average Annual Increase	-	-	-17.5

¹ The data were \$90,887,074 in 1984.

Note: Quantitative change and percent change are calculated before rounding. Average annual increase refers to percent change only.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 14. Number of Consumers, Sales, and Operating Revenue for Investor-Owned Electric Utilities, 1985 - 1989

Item	1989	1988	1987	1986	1985
Number of Consumers on December 31 (thousands)					
Residential	72,337	71,083	69,886	68,573	66,727
Commercial	9,101	8,924	8,953	8,704	8,367
Industrial	383	365	368	370	403
Public Street and Highway Lighting	149	145	142	138	137
Other Public Authorities	153	149	146	143	141
Railroads and Railways	0	0	0	0	0
Interdepartmental	0	0	0	0	0
Total Ultimate Consumers	82,122	80,667	79,495	77,929	75,775
Sales for Resale	3	3	3	3	3
Total Number of Consumers	82,125	80,669	79,497	77,932	75,778
Sales for the Year (thousand megawatthours)					
Residential	654,164	644,806	614,617	590,140	569,843
Commercial	591,218	573,001	541,448	516,212	487,973
Industrial	722,060	696,877	670,821	647,646	659,610
Public Street and Highway Lighting	10,427	10,313	10,351	10,335	10,401
Other Public Authorities	40,511	39,496	37,881	36,788	35,983
Railroads and Railways	2,455	2,404	2,239	2,261	2,265
Interdepartmental	1,794	1,772	2,117	2,242	3,296
Total Sales to Ultimate Consumers	2,022,629	1,968,670	1,879,474	1,805,623	1,769,370
Sales for Resale	373,496	359,935	337,071	332,276	358,639
Total Sales	2,396,125	2,328,605	2,216,545	2,137,900	2,128,008
Operating Revenues for the Year (thousand dollars)					
Residential	52,144,247	50,202,932	47,735,107	45,892,992	44,420,060
Commercial	43,366,826	41,098,216	39,188,201	38,266,215	36,407,851
Industrial	34,335,497	32,865,918	32,347,485	32,546,759	34,051,191
Public Street and Highway Lighting	1,202,698	1,176,527	1,195,253	1,174,148	1,160,165
Other to Public Authorities	2,326,252	2,237,873	2,190,530	2,177,610	2,107,325
Railroads and Railways	157,708	149,970	147,377	156,846	158,791
Interdepartmental	101,653	110,092	138,803	123,042	174,774
Total Revenues from Sales to Ultimate Consumers	133,634,880	127,841,528	122,942,756	120,337,611	118,480,156
Sales for Resale	14,349,788	13,741,443	13,426,047	13,332,327	14,533,274
Total Revenues from Sales of Electricity	147,984,668	141,582,971	136,368,803	133,669,938	133,013,431
(less) Provision for Rate Refunds	179,937	192,075	530,076	164,991	156,586
Net Revenues from Sales of Electricity	147,804,731	141,390,896	135,838,727	133,504,947	132,856,845
Other Operating Revenues	3,098,586	2,539,524	2,710,211	2,752,411	2,410,888
Total Electric Utility Operating Revenues	150,903,317	143,930,420	138,548,938	136,257,358	135,267,733

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 15. Ratios Based on Number of Consumers, Sales, and Operating Revenue for Investor-Owned Electric Utilities, 1985 - 1989

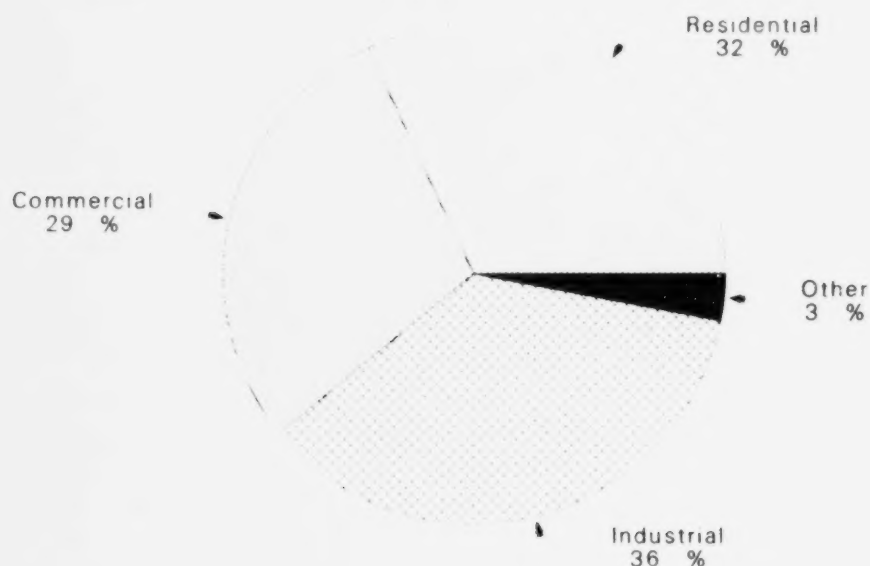
Ratio	1989	1988	1987	1986	1985
Residential Sales Ratios					
Percent of Total Number of Consumers	88.1	88.1	87.9	88.0	88.1
Percent of Total Revenues	35.2	35.5	35.0	34.3	33.4
Percent of Total Kilowatt-hour Sales ¹	27.3	27.7	27.7	27.6	26.8
Average Annual Number of Kilowatt-hours Sold per Consumer	9,043	9,071	8,795	8,606	8,540
Average Annual Bill per Consumer (dollars)	720.85	706.26	683.04	669.25	665.70
Average Revenue per Kilowatt-hour Sold (cents)	7.97	7.79	7.77	7.78	7.80
Commercial Sales Ratios					
Percent of Total Number of Consumers	11.1	11.1	11.3	11.2	11.0
Percent of Total Revenues	29.3	29.0	28.7	28.6	27.4
Percent of Total Kilowatt-hour Sales ¹	24.7	24.6	24.4	24.1	22.9
Average Annual Number of Kilowatt-hours Sold per Consumer	64,962	64,210	60,479	59,304	58,324
Average Annual Bill per Consumer (dollars)	4,765.10	4,605.42	4,377.26	4,596.16	4,351.56
Average Revenue per Kilowatt-hour Sold (cents)	7.34	7.17	7.24	7.41	7.46
Industrial Sales Ratios					
Percent of Total Number of Consumers	5	5	5	5	5
Percent of Total Revenues	23.2	23.2	23.7	24.3	25.6
Percent of Total Kilowatt-hour Sales ¹	30.1	29.9	30.3	30.3	31.0
Average Annual Number of Kilowatt-hours Sold per Consumer	1,887,556	1,910,136	1,822,838	1,751,999	1,637,016
Average Annual Bill per Consumer (dollars)	89,757.32	90,085.32	87,898.62	88,044.88	84,508.11
Average Revenue per Kilowatt-hour Sold (cents)	4.76	4.72	4.82	5.03	5.16

¹ Total kilowatt-hour sales includes sales for resales.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Figure 2. Share of Total Sales to Ultimate Consumers for Investor-Owned Electric Utilities by Sector, 1989



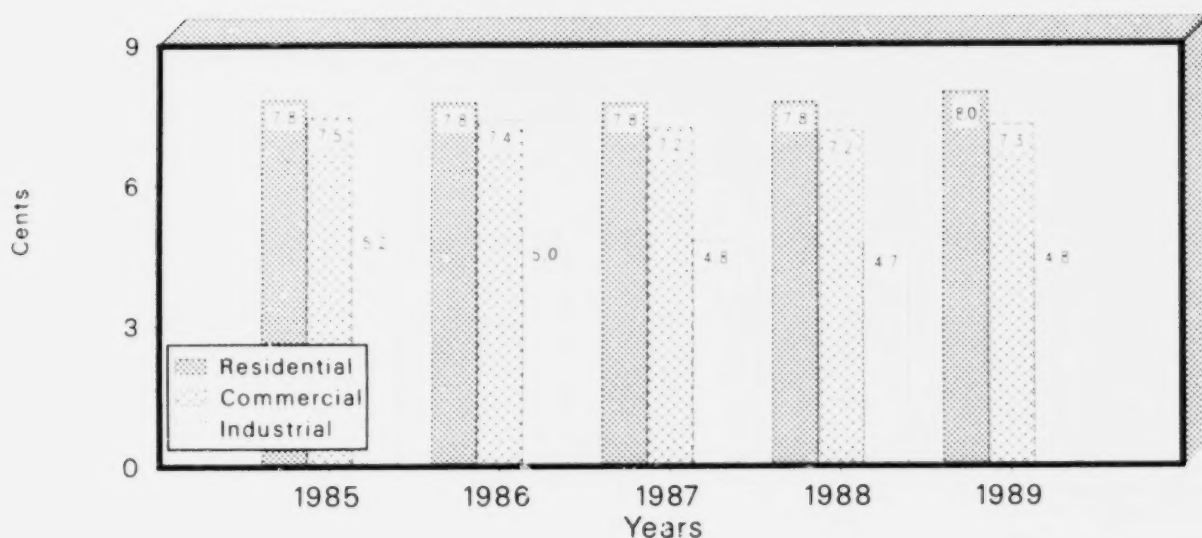
Note: Sum of percents may not equal 100 because of independent rounding.
 Source: Federal Energy Regulatory Commission, FERC Form 1, 'Annual Report of Major Electric Utilities, Licensees and Others.'

Figure 3. Share of Number of Ultimate Consumers for Investor-Owned Electric Utilities by Sector, 1989



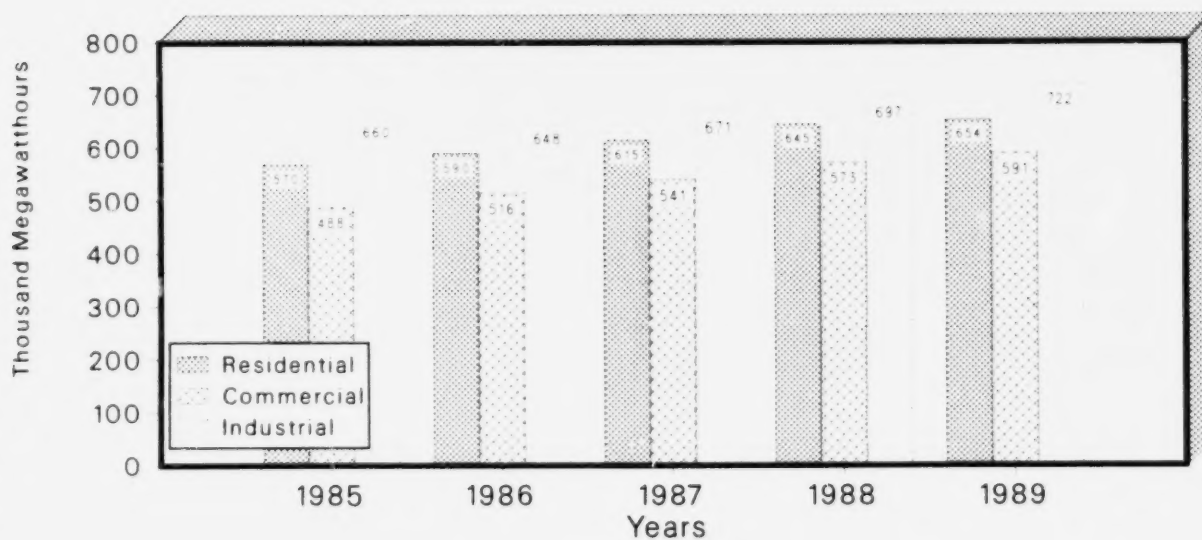
¹ The share for the industrial sector is 0.5 percent.
 Note: Sum of percents may not equal 100 because of independent rounding.
 Source: Federal Energy Regulatory Commission, FERC Form 1, 'Annual Report of Major Electric Utilities, Licensees and Others.'

Figure 4. Average Revenue per Kilowatthour for Investor-Owned Electric Utilities, 1985-1989



Source: Federal Energy Regulatory Commission, FERC Form 1, 'Annual Report of Major Electric Utilities, Licensees and Others.'

Figure 5. Sales of Electricity for Investor-Owned Electric Utilities, 1985-1989



Source: Federal Energy Regulatory Commission, FERC Form 1, 'Annual Report of Major Electric Utilities, Licensees and Others.'

Table 16. Comparison of Selected Statement of Income and Financial Data for Investor-Owned Electric Utilities, 1988 - 1989

Item	1989 (billion dollars)	1988 (billion dollars)	Percent Change
Income Statement			
Total Utility Operating Revenues ¹	167.1	159.5	4.8
Total Utility Operating Expenses ²	136.5	129.7	5.2
Total Utility Operating Income	30.6	29.8	2.7
Net Other Income and Deductions ³	13.3	13.8	-3.6
Net Income	17.3	16.0	7.9
Net Cash Flow from Operating Activities			
Net Income	17.3	16.0	7.9
Noncash Charges ⁴	19.4	20.4	-4.9
Net Cash Provided by (Used in) Operating Activities	36.7	36.4	.8
Cash Flows from Investment Activities			
Cash Outflows from Plant	-25.0	-24.1	-3.8
Cash for Nonplant Items	1.6	.9	72.2
Net Cash Provided by (Used in) Investment Activities	-23.4	-23.2	-1.1
Cash Flows from Financing Activities			
Cash Provided by Outside Sources	19.8	19.0	4.6
Cash for Payments and Dividends	-34.2	-33.7	1.7
Net Cash Provided by (Used in) Financing Activities	-14.4	-14.7	-1.9
Net Increase or Decrease in Cash and Cash Equivalents	-1.2	-1.4	-15.2
Cash and Cash Equivalents Beginning of Year	4.7	6.1	-22.3
Cash and Cash Equivalents End of Year	3.6	4.7	-24.4

¹ Includes revenues from electric, gas, and other operations

² Includes operating expenses covering electric, gas, and other operations

³ Includes other income and deductions, interest charges, and extraordinary items

⁴ Includes depreciation and depletion, amortization, net provision for deferred of future income taxes, investment tax credit adjustments, etc., and adjustments for allowance for funds used during construction

⁵ Includes funds obtained from domestic capital markets: by sale of debts or stocks

⁶ Includes retirements of long-term debt, preferred stock, short-term debt and others, and redemption of capital stock

Note: Totals may not add to sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others"

Table 17. Comparison of Selected Balance Sheet Data for Investor-Owned Electric Utilities on December 31, 1988 - 1989

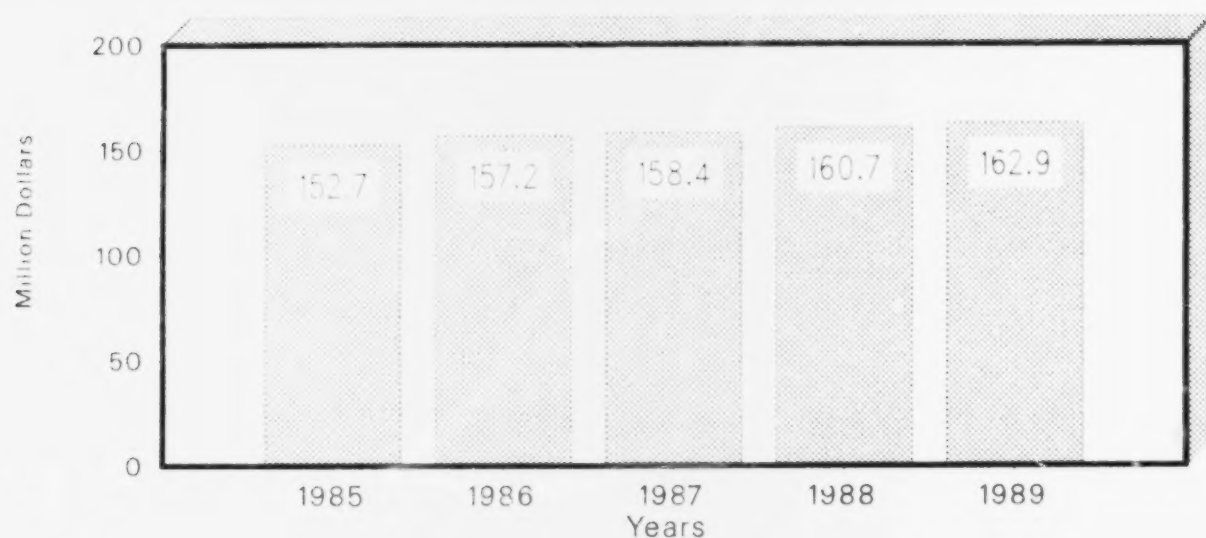
Item	1989 (billion dollars)	1988 (billion dollars)	Percent Change
Assets			
Total Electric Utility Plant ¹	462.4	449.4	2.9
Electric Utility Depreciation, Depletion, and Amortization	125.0	113.5	10.1
Net Electric Utility Plant	337.5	335.9	.5
Net Nuclear Fuel	8.7	9.6	-9.4
Net Other Utility Plant	17.1	16.1	6.2
Net All Utility Plant	363.2	361.6	.4
Total Other Property and Investment	16.1	15.2	5.9
Total Current and Accrued Assets	41.5	39.1	6.1
Total Deferred Debits	44.8	38.3	17.0
Total Assets and Other Debits	466.0	454.3	2.6
Liabilities			
Proprietary Capital			
Retained Earnings	48.0	47.1	1.9
Equity	123.1	122.0	.9
Total Proprietary Capital	171.1	169.1	1.2
Total Long-Term Debt	163.0	160.7	1.4
Total Current and Accrued Liabilities	42.0	38.4	9.4
Total Deferred Credits and Other			
Noncurrent Liabilities	90.0	88.6	1.6
Total Liabilities and Other Credits	466.0	454.3	2.6

¹ Includes construction work in progress amounting to \$33.7 billion in 1989 and \$40.3 billion in 1988, excluding nuclear fuel

Note: Totals may not add to sum of components because of independent rounding

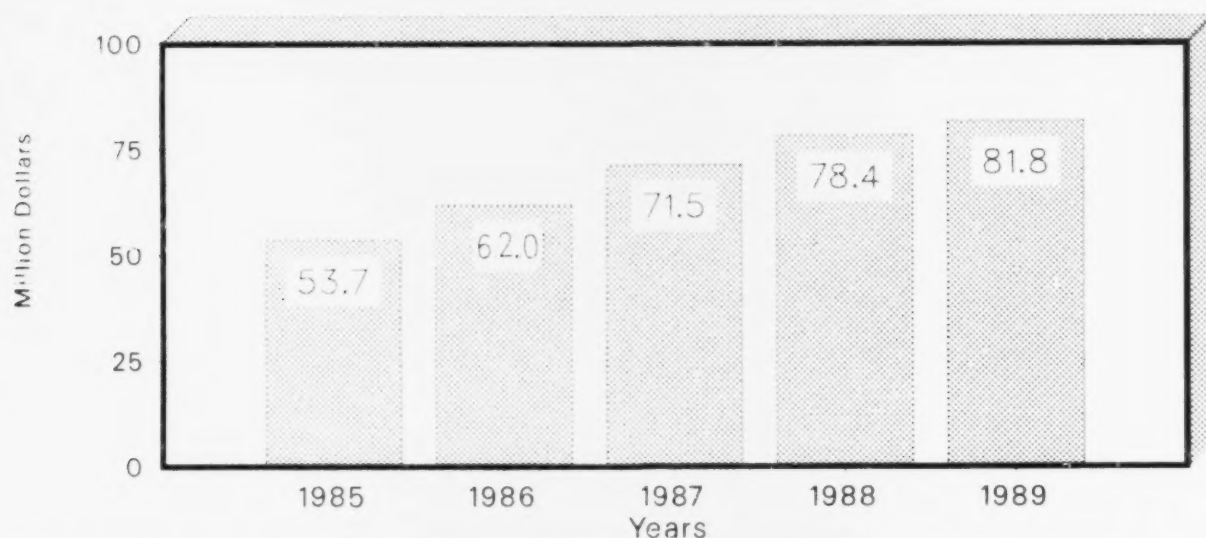
Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others"

Figure 6. Long-term Debt of Investor-Owned Electric Utilities, 1985-1989



Source: Federal Energy Regulatory Commission, FERC Form 1, 'Annual Report of Major Electric Utilities, Licensees and Others'

Figure 7. Deferred Credits of Investor-Owned Electric Utilities, 1985-1989



Note: Refer to the Deferred Credits section of the Balance Sheet (Table 7) for Investor-Owned Electric Utilities for the component accounts in this area

Source: Federal Energy Regulatory Commission, FERC Form 1, 'Annual Report of Major Electric Utilities, Licensees and Others'

Table 18. Net Income and Allowance for Funds Used During Construction for Investor-Owned Electric Utilities, 1985 - 1989

Year	Net Income Reported (thousand dollars)	Allowance for Funds Used During Construction (thousand dollars) ¹	Percent of Net Income	Dollar Per Share of Common Stock ²
1985	18,704,916	7,937,929	42.4	1.60
1986	20,423,561	6,407,642	31.4	1.24
1987	19,024,731	4,940,777	26.0	.93
1988	16,041,707	2,877,004	17.9	.53
1989	17,312,761	2,344,011	13.5	.40

¹ Includes allowances for borrowed funds used during construction. Data taken from Table 5.

² AFUDC divided by Number of Shares of Common Stock Outstanding, Table 21.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 19. Total Debt for Investor-Owned Electric Utilities on December 31, 1985-1989

Year	Long-Term Debt (thousand dollars) ¹	Short-Term Debt (thousand dollars) ¹	Total Debt (thousand dollars) ²	Total Interest Charges (thousand dollars) ³	Average Debt Cost (percent) ⁴
1985	152,661,482	3,304,766	155,966,248	15,571,893	9.98
1986	157,213,706	4,979,358	162,193,064	15,815,015	9.75
1987	158,421,392	7,500,551	165,921,943	15,486,381	9.33
1988	160,726,686	5,843,202	166,569,888	15,648,207	9.39
1989	162,948,440	5,928,421	168,876,861	15,994,302	9.47

¹ Data taken from Table 7.

² Includes short-term debt.

³ Data taken from Table 5. Data exclude Allowance for Borrowed Funds Used During Construction (credit) which is capitalized interest during construction.

⁴ Average Debt Cost equals Total Interest Charges divided by Total Debt.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 20. Disposition of Net Income for Investor-Owned Electric Utilities,
1988 - 1989**
(Thousand Dollars)

Item	1989 ¹	1988 ¹
Net Income	17,312,761	16,041,707
Less: Preferred Stock Dividends Declared	2,417,239	2,264,454
Income Available for Common Equity	14,895,522	13,777,253
Less: Common Stock Dividends Declared	14,030,562	13,517,681
Net Income Retained in the Business	864,960	259,572
Number of Shares of Common Stock Outstanding (thousands)	5,824,221	5,400,881

¹ Data, except Number of Shares of Common Stock Outstanding, taken from Table 5.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 21. Net Income per Share of Common Stock for Investor-Owned
Electric Utilities, 1985 - 1989**

Year	Net Income Reported (thousand dollars) (1)	Preferred Stock Dividends (thousand dollars) (2)	Net Income after Preferred Stock Dividends (thousand dollars) (3)	Number of Shares of Common Stock (thousands) (4)	Net Income Per Share of Common Stock (5)
1985	18,704,916	2,964,300	15,740,616	4,953,667	3.18
1986	20,423,561	2,649,832	17,773,729	5,187,463	3.43
1987	19,024,731	2,297,668	16,727,063	5,334,951	3.14
1988	16,041,707	2,264,454	13,777,253	5,400,881	2.55
1989	17,312,761	2,417,239	14,895,522	5,824,221	2.56

Note: Column (1) minus Column (2) equals Column (3). Column (3) divided by Column (4) equals Column (5).

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 22. Source and Disposition of Revenue for Investor-Owned Electric Utilities, 1988 - 1989
(Percent)

Item	1989	1988
Source¹		
Electric Utility Operating Revenues	87.5	87.2
Nonelectric Utility Operating Revenues	9.4	9.4
Allowance for Other Funds Used During Construction	7	1.0
Equity in Earnings of Subsidiary Companies	5	3
Interest, Dividends, and Miscellaneous	1.8	1.8
Extraordinary Income	1	.4
Total Source	100.0	100.0
Disposition²		
Electric Utility Operating Expenses		
Fossil Fuel Expenses	16.8	16.9
Nuclear Fuel Expenses	1.9	2.1
Purchased Power	10.4	9.7
Other Operation Expenses	15.8	15.3
Maintenance Expenses	6.5	6.6
Depreciation and Amortization	8.7	8.2
Taxes Other than Income Taxes	6.3	6.2
Income Taxes - Current	3.5	3.7
Income Taxes - Deferred - Net	.9	1.3
Investment Tax Credits - Net	-.2	-.1
Disposition of Electric Utility Property - Net	0	0
Total Electric Utility Operating Expenses	70.5	69.9
Nonelectric Utility Operating Expenses	8.1	8.7
Other Deductions	2.1	2.5
Interest Charges	8.1	8.7
Extraordinary Deductions	.6	1.4
Preferred Stock Dividends	1.4	1.4
Common Stock Dividends	8.1	8.2
Retained Earnings	.5	-.7
Total Disposition	100.0	100.0

¹ Data based on information computed from Table 5.

² Data based on information computed from Tables 5 and 12.

Note: Totals may not equal sum of components because of independent rounding.

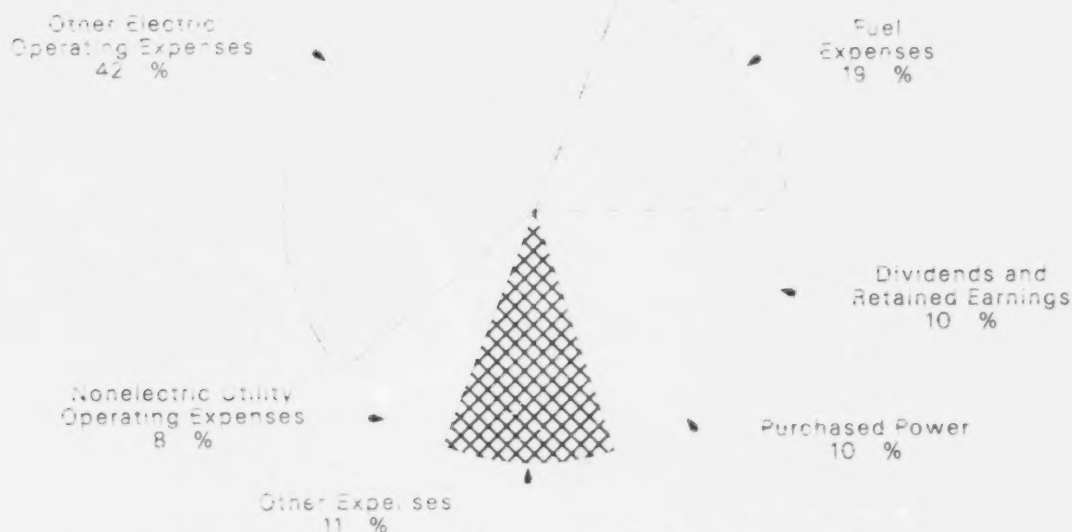
Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Figure 8. Source of Revenue for Investor-Owned Electric Utilities, 1989



Note: Sum of percents may not equal 100 because of independent rounding.
 Source: Federal Energy Regulatory Commission, FERC Form 1, 'Annual Report of Major Electric Utilities, Licensees and Others.'

Figure 9. Disposition of Revenue for Investor-Owned Electric Utilities, 1989



Note: Sum of percents may not equal 100 because of independent rounding.
 Source: Federal Energy Regulatory Commission, FERC Form 1, 'Annual Report of Major Electric Utilities, Licensees and Others.'

Table 23. Changes from 1988 in Electric Utility Plant for Investor-Owned Electric Utilities

Item	Amount (thousand dollars)	Percent
Intangible	99,619	0.8
Steam Production	3,385,826	25.6
Nuclear Production	4,832,653	36.5
Hydraulic Production	216,842	1.6
Other Production	333,869	2.5
Total Production	8,769,189	66.2
Transmission	2,160,179	16.3
Distribution	7,527,440	56.8
General	947,120	7.2
Electric Plant Purchased and Sold - Net	-27,020	-2
Experimental Electric Plant Unclassified	19,324	.1
Total Electric Plant in Service	19,495,852	147.2
Nuclear Fuel	221,837	1.7
Construction Work in Progress	-6,583,741	-49.7
Other	112,477	.8
Total Electric Utility Plant	13,246,424	100.0

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 24. Outstanding Construction Work in Progress as a Share of Total or Net Electric Utility Plant for Investor-Owned Electric Utilities on December 31, 1985 - 1989

Year	CWIP (billion dollars)	Total Electric Utility Plant (billion dollars) ¹	CWIP/Total Electric Utility Plant (percent)	Net Electric Utility Plant (billion dollars) ¹	CWIP/(Net Electric Utility Plant - CWIP) (percent)
1985	84.0	411.2	20.4	320.4	35.5
1986	75.3	434.7	17.3	334.2	29.1
1987	51.0	452.6	11.3	341.7	17.5
1988	40.3	468.3	8.6	345.5	13.2
1989	33.7	481.6	7.0	346.2	10.8

¹ Includes nuclear fuel.

Note: Computed by using data from Table 7 to eliminate the impact of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 25. Electric Utility Plant in Service for Investor-Owned Electric Utilities on December 31, 1988 - 1989

Item	Amount (thousand dollars)	1989		Amount (thousand dollars)	1988	
		Percent of Electric Plant in Service	Percent of Total Electric Utility Plant		Percent of Electric Plant in Service	Percent of Total Electric Utility Plant
Electric Utility Plant in Service						
Intangible Plant	574,636	0.1		475,017	0.1	
Production Plant						
Steam	113,431,200	26.7		110,045,374	27.1	
Nuclear	121,056,128	28.5		116,223,475	28.6	
Hydraulic	9,817,142	2.3		9,600,300	2.4	
Other	4,905,785	1.2		4,571,916	1.1	
Total Production Plant	249,210,254	58.6		240,441,065	59.3	
Transmission Plant	49,965,553	11.7		47,805,374	11.8	
Distribution Plant	109,881,463	25.8		102,354,023	25.2	
General Plant	15,621,414	3.7		14,674,294	3.6	
Electric Plant Purchased and Sold (net)	-30,865	*		-3,845	*	
Experimental Electric Plant						
Unclassified	42,627	*		23,303	*	
Total Electric Plant in Service	425,265,082	100.0	88.3	405,769,231	100.0	86.6
Nuclear Fuel	19,159,604		4.0	18,937,767		4.0
Electric Plant Leased to Others	80,589		*	86,205		*
Electric Plant Held for Future Use	3,047,146		6	2,967,448		6
Construction Work in Progress	33,714,555		7.0	40,298,296		8.6
Electric Plant Acquisition Adjustments	307,745		1	269,350		1
Total Electric Utility Plant (plus nuclear fuel)	481,574,720		100.0	468,328,296		100.0

* Value less than 0.1 percent

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 26. Electric Utility Plant for Investor-Owned Electric Utilities
on December 31, 1985 - 1989
(Thousand Dollars)**

Item	1989	1988	1987	1986	1985
Intangible Plant					
Organization	33,700	7,677	5,518	5,603	5,738
Franchises and Consents	53,698	46,394	21,646	18,984	18,468
Miscellaneous Intangible Plant	487,238	420,945	362,446	269,297	222,804
Total Intangible Plant	574,636	475,017	389,610	293,883	247,010
Steam Production Plant					
Land and Land Rights	722,617	697,515	684,287	673,992	678,609
Structures and Improvements	18,677,691	18,209,852	18,029,782	17,814,523	17,147,274
Boiler Plant Equipment	62,489,802	60,661,585	59,683,981	58,473,787	55,462,210
Engines and Engine Driven Generators	21,374	19,525	18,809	18,770	27,521
Turbogenerator Units	21,084,456	20,455,009	20,293,407	19,965,959	19,150,210
Accessory Electric Equipment	8,451,646	8,174,264	8,054,905	7,944,789	7,741,344
Miscellaneous Power Plant Equipment	1,983,613	1,827,624	1,755,876	1,714,000	1,590,675
Total Steam Production Plant	113,431,200	110,045,374	108,521,047	106,605,820	101,797,843
Nuclear Production Plant					
Land and Land Rights	292,306	260,042	241,092	153,598	132,170
Structures and Improvements	32,010,582	30,838,951	27,283,490	19,534,213	14,724,250
Reactor Plant Equipment	54,345,225	52,018,655	45,759,582	33,787,647	25,977,126
Turbogenerator Units	14,793,208	14,518,953	13,192,592	10,551,555	8,576,162
Accessory Electric Equipment	14,797,677	13,951,339	12,077,287	8,247,433	6,796,837
Miscellaneous Power Plant Equipment	4,817,130	4,635,535	4,513,192	3,516,446	2,724,895
Total Nuclear Production Plant	121,056,128	116,223,475	103,067,236	75,740,393	58,931,440
Hydraulic Production Plant					
Land and Land Rights	522,193	509,375	501,708	501,452	493,593
Structures and Improvements	1,351,482	1,330,164	1,291,457	1,220,608	1,220,880
Reservoirs, Dams, and Waterways	5,112,877	5,003,846	4,855,727	4,620,819	4,431,089
Water Wheels, Turbines, and Generators	2,034,530	2,001,402	1,949,599	1,880,182	1,852,311
Accessory Electric Equipment	516,170	480,479	464,337	429,361	425,535
Miscellaneous Power Plant Equipment	155,661	151,306	142,758	133,176	133,818
Roads, Railroads, and Bridges	124,229	123,728	122,480	118,589	110,730
Total Hydraulic Production Plant	9,817,142	9,600,300	9,328,065	8,904,187	8,667,957
Other Production Plant					
Land and Land Rights	29,900	27,501	27,114	27,680	22,973
Structures and Improvements	360,150	306,652	303,963	306,488	310,678
Fuel Holders, Products, and Accessories	401,639	342,095	337,453	338,174	339,431
Prime Movers	1,333,151	1,229,697	1,205,932	1,173,039	1,195,397
Generators	2,354,952	2,255,421	2,248,138	2,144,907	2,205,034
Accessory Electric Equipment	368,270	355,450	345,307	342,513	352,386
Miscellaneous Power Plant Equipment	57,722	55,101	59,900	57,965	59,014
Total Other Production Plant	4,905,785	4,571,916	4,528,406	4,390,765	4,484,913
Total Production Plant	249,210,254	240,441,065	225,444,754	195,641,165	173,882,152
Transmission Plant					
Land and Land Rights	3,443,207	3,376,577	3,229,901	3,170,132	3,059,166
Structures and Improvements	1,154,487	1,104,910	1,040,633	978,329	923,399
Station Equipment	20,115,558	18,958,175	18,102,198	17,356,535	16,746,209
Towers and Fixtures	7,066,846	6,971,379	6,961,015	6,790,801	6,574,415
Poles and Fixtures	6,074,526	5,721,210	5,383,343	5,157,846	4,881,454
Overhead Conductors and Devices	9,804,571	9,490,493	9,216,269	8,978,712	8,614,876
Underground Conduit	933,124	904,104	901,897	848,233	843,292
Underground Conductors and Devices	1,234,744	1,148,380	1,090,017	1,071,352	1,052,366
Roads and Trails	138,490	130,145	147,154	119,202	110,407
Total Transmission Plant	49,965,553	47,805,374	46,072,426	44,471,144	42,805,583

See endnotes at end of this table

**Table 26. Electric Utility Plant for Investor-Owned Electric Utilities
on December 31, 1985 - 1989 (Continued)**
(Thousand Dollars)

Item	1989	1988	1987	1986	1985
Distribution Plant					
Land and Land Rights	1,122,459	1,062,926	991,295	938,423	891,590
Structures and Improvements	1,341,505	1,277,850	1,209,749	1,125,880	1,051,440
Station Equipment	13,640,916	12,826,622	12,189,054	11,597,092	11,108,399
Storage Battery Equipment	19	17	12	3	1,307
Poles, Towers, and Fixtures	15,793,916	14,868,152	14,031,362	13,187,389	12,336,792
Overhead Conductors and Devices	16,327,582	15,208,209	14,284,891	13,452,157	12,639,074
Underground Conduit	6,350,092	5,830,681	5,356,872	4,958,610	4,597,893
Underground Conductors and Devices	14,361,974	12,980,284	11,777,901	10,709,455	9,757,930
Line Transformers	20,765,699	19,480,653	18,320,890	17,198,631	15,948,246
Services	9,661,625	8,952,489	8,284,681	7,651,924	7,062,936
Meters	6,525,146	6,163,894	5,750,930	5,354,764	4,973,678
Installations on Customers Premises	655,434	563,951	506,972	456,080	419,310
Leased Property on Customers Premises	54,807	54,836	52,406	63,094	53,150
Street Lighting and Signal Systems	3,280,289	3,083,460	2,925,601	2,778,593	2,656,278
Total Distribution Plant	109,881,463	102,354,023	95,682,616	89,472,095	83,498,023
General Plant					
Land and Land Rights	399,490	355,669	328,351	300,511	262,706
Structures and Improvements	4,965,287	4,538,863	4,070,288	3,549,204	3,108,475
Office Furniture and Equipment	2,188,548	1,929,097	1,764,890	1,452,053	1,198,978
Transportation Equipment	2,072,545	1,956,898	1,833,164	1,687,200	1,549,397
Stores Equipment	143,503	134,647	141,206	117,055	106,324
Tools, Shop, and Garage Equipment	661,469	609,555	549,815	503,812	460,017
Laboratory Equipment	473,858	443,760	417,187	359,218	315,374
Power Operated Equipment	436,723	416,827	394,630	364,950	332,143
Communication Equipment	2,418,691	2,132,352	1,839,514	1,640,429	1,472,034
Miscellaneous Equipment	217,094	206,092	210,982	172,767	162,572
Other Tangible Property	1,644,208	1,950,534	1,236,386	1,139,032	1,004,952
Total General Plant	15,621,414	14,674,294	12,786,414	11,286,232	9,972,973
Electric Plant Purchased and Sold (net)	-30,865	-3,845	68,083	49,516	-6,175
Experimental Electric Plant Unclassified	42,627	23,303	21,472	61,854	75,379
Total Electric Utility Plant in Service	425,265,082	405,769,231	380,465,374	341,275,888	310,474,945
Nuclear Fuel	19,159,604	18,937,767	18,078,981	15,216,095	14,363,097
Electric Plant Leased to Others	80,589	86,205	87,155	86,492	84,771
Electric Plant Held for Future Use	3,047,146	2,967,448	2,718,883	2,562,870	2,273,852
Construction Work in Progress	33,714,555	40,298,296	51,029,217	75,334,698	83,970,176
Electric Plant Acquisition Adjustments	307,745	269,350	260,999	207,993	80,317
Total Electric Utility Plant (plus nuclear fuel)	481,574,720	468,328,296	452,640,609	434,684,038	411,247,158

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 27. Capital Accounts for Investor-Owned Electric Utilities
on December 31, 1985 - 1989**

Item	1989	1988	1987	1986	1985
Amount (billion dollars)					
Long-Term Debt	162.9	160.7	158.4	157.2	152.7
Preferred Stock	25.9	26.4	26.8	28.4	30.0
Common Equity					
Common Stock and Other Paid-in Capital ¹	94.6	93.2	92.3	90.7	88.2
Unappropriated Undistributed					
Subsidiary Earnings	2.8	2.5	2.6	2.3	2.1
Retained Earnings	47.8	47.1	48.0	46.0	41.1
Total Common Equity	145.2	142.7	142.9	139.0	131.5
Total Capital Structure	334.1	329.8	328.1	324.6	314.1
Percent of Total Capitalization					
Long-Term Debt	48.8	48.7	48.3	48.4	48.6
Preferred Stock	7.8	8.0	8.2	8.7	9.6
Common Equity					
Common Stock and Other Paid-in Capital ¹	28.3	28.2	28.1	27.9	28.1
Unappropriated Undistributed					
Subsidiary Earnings	.8	.8	.8	.7	.7
Retained Earnings	14.3	14.3	14.6	14.2	13.1
Total Common Equity	43.5	43.3	43.6	42.8	41.8
Total Capital Structure	100.0	100.0	100.0	100.0	100.0

¹ Includes common stock issued, capital stock subscribed, other paid-in capital, installments received on capital stock, discount on capital stock, capital stock expense, and reacquired capital stock.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 28. Transmission and Distribution Systems for Investor-Owned Electric Utilities on December 31, 1985 - 1989

Item	1989	1988	1987	1986	1985
Transmission System					
Overhead Lines (structure miles)					
Overhead Lines ¹	348,559	350,215	349,496	346,874	351,032
(circuit miles)	184,260	187,567	187,565	183,087	185,235
Underground and Submarine Lines (circuit miles)	5,530	5,455	5,566	5,310	5,581
Substation Transformer Capacity (MVA)	1,675,912	1,938,666	1,889,405	1,751,874	1,751,336
Distribution System					
Substation Transformer Capacity (MVA)	677,190	753,078	718,644	711,106	683,864
Line Transformer Capacity (MVA) ²	1,164,145	1,129,932	1,268,263	1,046,446	1,019,964
Number of Meters (thousands)	97,107	88,670	87,022	85,259	83,438

¹ 132,000 volts and above. Lines of lower voltage included with overhead lines.

² Data for 1985 and 1986 revised in 1987, 1988, and 1989 publications.

Note: MVA means megavolt-ampere.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 29. Electric Energy Account for Investor-Owned Electric Utilities,
1985 - 1989**
(Thousand Megawatthours)

Item	1989	1988	1987	1986	1985
Generation (excluding station use)					
Steam	1,582,702	^R 1,547,617	^R 1,497,877	^R 1,444,572	^R 1,457,273
Nuclear	439,356	^R 450,354	^R 394,271	^R 356,859	^R 331,753
Hydro-Conventional	70,177	^R 52,709	^R 61,231	^R 74,819	^R 68,679
Hydro-Pumped Storage	12,247	^R 13,536	^R 12,446	^R 12,943	^R 11,725
Other	21,185	^R 16,366	^R 12,816	^R 11,278	^R 13,642
(less) Energy Used for Pumped Storage	17,086	18,701	16,752	17,538	15,041
Net Generation	2,108,581	2,061,882	1,961,889	1,882,933	1,868,032
Purchases					
Utility	354,998	341,319	332,322	NA	NA
Nonutility	86,750	65,370	48,300	NA	NA
Total	441,748	406,689	380,622	361,962	363,551
Interchanges					
In (gross)	339,458	311,401	321,717	326,875	412,310
Out (gross)	329,522	290,788	291,389	297,426	373,223
Net	9,937	20,612	30,328	29,449	39,088
Transmission for/by Others (wheeling)					
Received ¹	210,918	175,635	141,697	134,310	200,107
Delivered ¹	208,452	174,498	141,203	133,080	197,212
Net	2,465	1,137	494	1,230	2,895
Total Net Energy Generated and Received	2,562,732	2,490,320	2,373,333	2,275,575	2,273,566
Sales to Ultimate Consumers	2,022,629	1,968,670	1,879,474	1,805,623	1,769,370
Sales for Resale	373,496	359,935	337,071	332,276	358,639
Energy Furnished Without Charge	1,262	1,815	1,669	1,801	1,035
Used by Company (excluding station use)	5,570	5,586	5,799	5,862	6,104
Losses	159,774	154,313	149,320	130,012	138,419
Total Sales and Disposition	2,562,732	2,490,320	2,373,333	2,275,575	2,273,566

R = Revised data

¹ Data for 1985 revised in 1986, 1987, 1988, and 1989 publications

NA = Not available

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers. Beginning in 1986, some electric utilities have changed their reporting of data under the Uniform System of Accounts for Account 555, "Purchased Power," on page 327 and "Summary of Interchange According to Companies and Points of Interchange," on pages 328 and 329. These changes have resulted in the reporting of contract transactions rather than actual flows. The change is consistent with the Uniform System of Accounts and is a result of the implementation of the FERC Form 582, "FERC Fees Filing Requirements." The 1985-1988 generation data were revised. See Table C2 for further explanation.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Detailed Statistics of the Major Investor-Owned Electric Utilities

The Cayuga Plant, a coal-fired plant, is located near Cayuga, Indiana and is owned by Public Service Company of Indiana, Incorporated.

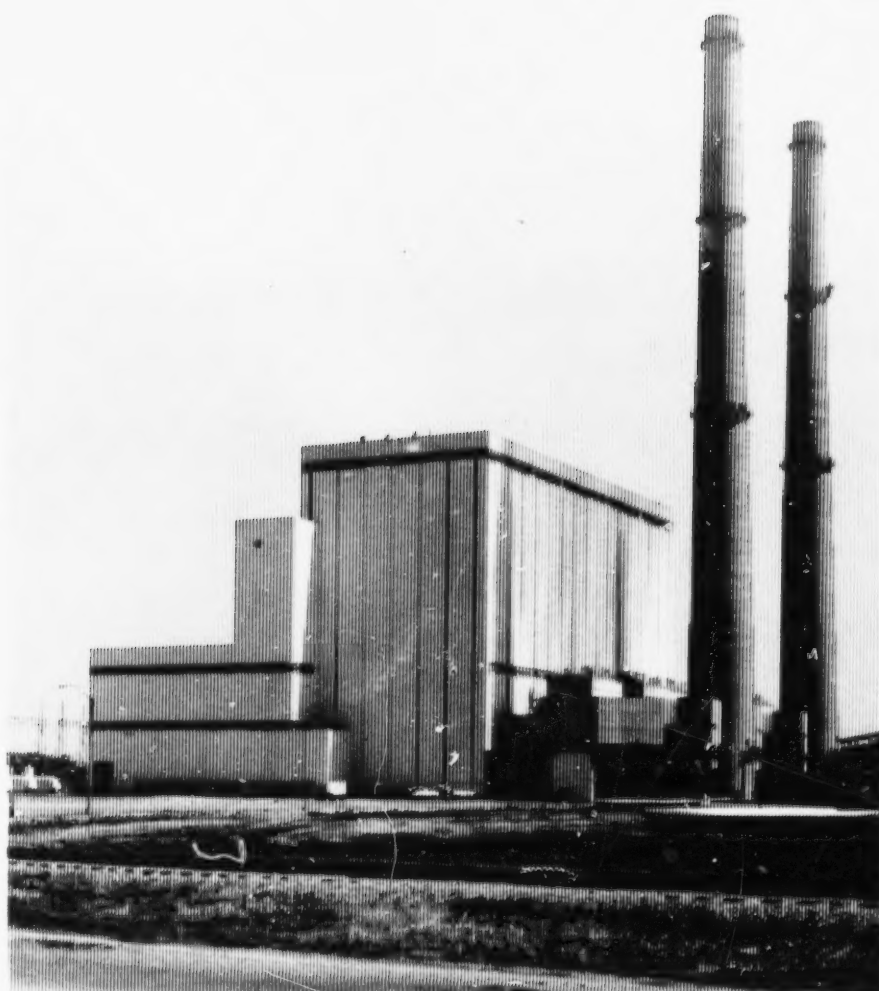


Table 30. Ten Largest Investor-Owned Electric Utilities Ranked by Revenue from Sales to Ultimate Consumers, 1989
(Thousand Dollars)

Electric Utility Name	Amount
Southern California Edison Co	6,346,759
Pacific Gas & Electric Co	5,939,474
Commonwealth Edison Co	5,653,948
Florida Power & Light Co	4,677,695
Consolidated Edison Co-NY Inc	4,138,323
Texas Utilities Electric Co	4,051,094
Virginia Electric & Power Co	3,254,800
Public Service Electric & Gas Co	3,245,795
Duke Power Co	3,214,250
Georgia Power Co	3,207,699

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 31. Ten Largest Investor-Owned Electric Utilities Ranked by Revenue from Sales for Resale, 1989
(Thousand Dollars)

Electric Utility Name	Amount
New England Power Co	1,171,016
Systems Energy Resources Inc	839,253
Georgia Power Co	690,251
Carolina Power & Light Co	442,184
Duke Power Co	379,570
Alabama Power Co	365,723
Pennsylvania Power & Light Co	361,157
Arkansas Power & Light Co	343,883
Appalachian Power Co	325,415
West Penn Power Co	323,010

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 32. Ten Largest Investor-Owned Electric Utilities Ranked by Electric Operating Revenue, 1989
(Thousand Dollars)

Electric Utility Name	Amount
Southern California Edison Co	6,518,490
Pacific Gas & Electric Co	6,223,790
Commonwealth Edison Co	5,751,650
Florida Power & Light Co	4,546,291
Consolidated Edison Co-NY Inc	4,536,492
Texas Utilities Electric Co	4,318,565
Georgia Power Co	3,923,480
Duke Power Co	3,639,239
Virginia Electric & Power Co	3,458,928
Public Service Electric & Gas Co	3,279,913

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 33. Ten Largest Investor-Owned Electric Utilities Ranked by Net Electric Operating Income, 1989
(Thousand Dollars)

Electric Utility Name	Amount
Pacific Gas & Electric Co	1,387,719
Commonwealth Edison Co	1,337,504
Southern California Edison Co	1,182,064
Texas Utilities Electric Co	993,552
Georgia Power Co	880,743
Virginia Electric & Power Co	758,830
Detroit Edison Co	746,032
Public Service Electric & Gas Co	744,242
Philadelphia Electric Co	742,975
Florida Power & Light Co	710,131

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 34. Ten Largest Investor-Owned Electric Utilities Ranked by Gross Electric Utility Plant on December 31, 1989
(Thousand Dollars)

Electric Utility Name	Amount
Commonwealth Edison Co	23,452,645
Pacific Gas & Electric Co	18,464,563
Texas Utilities Electric Co	17,815,082
Southern California Edison Co	17,026,034
Georgia Power Co	13,704,069
Philadelphia Electric Co	12,107,672
Florida Power & Light Co	11,312,679
Detroit Edison Co	11,282,427
Virginia Electric & Power Co	11,219,219
Duke Power Co	10,835,181

Note: Data exclude nuclear fuel.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 35. Ten Largest Investor-Owned Electric Utilities Ranked by Net Electric Utility Plant on December 31, 1989
(Thousand Dollars)

Electric Utility Name	Amount
Commonwealth Edison Co	17,519,561
Texas Utilities Electric Co	15,052,981
Pacific Gas & Electric Co	13,339,447
Southern California Edison Co	11,933,622
Georgia Power Co	10,967,059
Philadelphia Electric Co	9,733,462
Houston Lighting & Power Co	8,631,454
Detroit Edison Co	8,534,644
Virginia Electric & Power Co	8,297,240
Public Service Electric & Gas Co	7,803,738

Note: Data exclude nuclear fuel.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989**
(Thousand Dollars)

	Alabama Alabama Power Co.	Alabama Southern Electric Generating Co.	Arizona Arizona Public Service Co.	Arizona Century Power Corp.	Arizona Tucson Electric Power Co.	Arkansas Arkansas Power & Light Co.
Electric Utility Operating Income						
Electric Operating Revenues	2,485,387	164,745	1,447,154	278,045	507,621	1,381,871
Electric Operating Expenses						
Operation Expenses	1,140,561	127,193	524,436	240,693	345,449	896,269
Maintenance Expenses	202,633	13,710	120,639	13,672	17,311	95,002
Depreciation Expense	267,495	7,346	186,675	13,082	44,501	118,269
Amortization	403	0	-53,255	119	321	5,224
Taxes Other Than Income Taxes	154,398	758	174,213	8,507	58,388	34,658
Federal Income Taxes	133,100	3,125	40,213	-827	35	-8,719
Other Income Taxes	12,198	186	3,062	-263	-559	-4,131
Provision for Deferred Income Taxes	118,972	990	141,066	1,697	19,466	88,325
(less) Provision for Deferred Income Taxes (credit)	82,717	1,000	62,454	4,868	12,870	50,532
Investment Tax Credit Adjustments (net)	12,972	-110	787	0	-91	3,923
(less) Gains from Disposition of Utility Plant	0	0	5,319	0	0	0
Losses from Disposition of Utility Plant	0	0	1,945	0	0	0
Total Electric Operating Expenses	1,934,072	152,209	1,072,009	271,813	471,882	1,178,489
Net Electric Utility Operating Income	551,315	12,536	375,145	6,232	35,739	203,382
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	0	0	0
Gas Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expenses	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	0	0	0
Net Gas Utility Operating Income	0	0	0	0	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	4,673	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	2,566	0	0	0	0	0
Maintenance Expenses	469	0	0	0	0	0
Depreciation Expense	707	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	834	0	0	0	0	0
Federal Income Taxes	-40	0	0	0	0	0
Other Income Taxes	-6	0	0	0	0	0
Provision for Deferred Income Taxes	121	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	-6	0	0	0	0	0
Investment Tax Credit Adjustments (net)	-37	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	4,259	0	0	0	0	0
Net Other Utility Operating Income	414	0	0	0	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Alabama Alabama Power Co.	Alabama Southern Electric Generating Co.	Arizona Arizona Public Service Co.	Arizona Century Power Corp.	Arizona Tucson Electric Power Co.	Arkansas Arkansas Power & Light Co.
Total Utility Operating Income						
Total Utility Operating Revenues	2,490,060	164,745	1,447,154	278,045	507,621	1,381,671
Total Utility Operating Expenses						
Operation Expenses	1,143,127	127,193	524,436	240,693	345,449	896,269
Maintenance Expenses	203,103	13,710	120,639	13,672	17,311	95,002
Depreciation Expense	268,202	7,340	186,675	13,082	44,501	119,269
Amortization	403	0	53,255	119	321	1,224
Taxes Other Than Income Taxes	154,932	758	174,213	8,507	58,388	34,858
Federal Income Taxes	133,061	3,125	40,213	807	-35	-8,719
Other Income Taxes	12,193	196	3,062	-263	-559	-4,131
Provision for Deferred Income Taxes	119,093	990	141,066	1,697	19,466	88,325
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	62,772	1,000	62,454	4,868	12,870	50,532
Investment Tax Credit Adjustments (net)	-13,009	-110	787	0	-91	3,923
(less) Gains from Disposition of Utility Plant	0	0	5,319	0	0	0
Losses from Disposition of Utility Plant	0	0	1,945	0	0	0
Total Utility Operating Expenses	1,938,331	152,209	1,072,009	271,613	471,882	1,176,489
Net Utility Operating Income	551,729	12,536	375,145	6,232	35,739	203,382
Other Income and Deductions						
Other Income						
Nonutility Operating Income	639	0	-21	0	50	204
Equity in Earnings of Subsidiary Companies	6,034	0	958	0	-58,424	-33
Interest and Dividend Income	10,871	15	4,339	9,072	1,139	4,247
Allowance for Other Funds Used						
During Construction	29,515	410	5,954	239	29,764	2,657
Miscellaneous Nonoperating Income	1,272	431	73,738	10,104	2	58,205
Gain on Disposition of Property	2,419	0	1,038	0	10	82
Total Other Income	50,752	856	84,060	19,416	-27,459	65,361
Other Income Deductions						
Loss on Disposition of Property	51	0	1,343	0	0	9
Miscellaneous Amortization	69	0	0	3,796	0	47
Miscellaneous Income Deductions	36,353	-32	2,661	13,966	33,949	2,372
Total Other Income Deductions	36,472	-32	4,004	14,762	33,949	2,428
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	521	0	87	0	0	2
Federal Income Taxes	-8,623	165	-2,425	2,341	-1,689	17,947
Other Income Taxes	-385	16	4,600	495	-243	3,343
Provision for Deferred Income Taxes	1,795	0	27,841	908	0	0
(less) Provision for Deferred						
Income Taxes (credit)	5,401	39	67	1,164	11,053	525
Investment Tax Credit Adjustments (net)	-665	-54	0	0	0	-380
(less) Investment Tax Credits	0	0	6,946	989	5,364	0
Total Taxes on Other Income and Deductions	-13,756	88	23,091	1,591	-7,621	20,386
Net Other Income and Deductions	28,038	801	56,965	3,063	-53,787	42,548

See endnotes at end of an individual electric utility.

**Table 36. Statement of income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Interest Charges						
Interest on Long-term Debt	230,046	7,092	213,732	12,625	68,006	120,164
Amortization of Debt Discount and Expense	1,482	66	2,118	2,144	3,775	534
Amortization of Loss on Recaptured Debt	3,466	1	3,969	0	50	1,157
(less) Amortization of Premium on Debt (credit)	27	1	0	0	0	134
(less) Amortization of Gain on Recaptured Debt (credit)	453	968	119	0	54	0
Interest on Debt to Associated Companies	0	0	0	0	0	162
Other Interest Expense	22,210	3	10,511	1,348	9,622	-5,630
(less) Allowance for Borrowed Funds Used During Construction (credit)	27,627	355	10,454	118	17,351	2,304
Net Interest Charges	229,098	5,838	219,756	15,999	64,046	113,950
Income Before Extraordinary Items	350,669	7,499	212,354	-6,705	-82,096	131,979
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	350,669	7,499	212,354	-6,705	-82,096	131,979
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	559,757	10,853	719,991	16,244	455,382	302,820
Balance Transferred from Income	344,635	7,499	212,354	-6,705	-23,672	132,012
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	0	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	39,349	0	32,302	0	7,458	22,791
(less) Dividends Declared - Common Stock	217,300	0	210,944	0	63,552	97,692
Unappropriated Undistributed Subsidiary Earnings	500	0	0	20	7,500	51
Retained Earnings - End of Year	648,242	18,353	689,098	11,558	362,200	314,401
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings Amortization Reserve, Federal	0	0	0	0	0	0
Total Retained Earnings	648,242	18,353	689,098	11,558	362,200	314,401

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	California	California	California	Colorado	Connecticut	Connecticut
Item	Pacific Gas & Electric Co	San Diego Gas & Electric Co	Southern California Edison Co	Public Service Co of Colorado	Citizens Utilities Co	Connecticut Light & Power Co
Electric Utility Operating Income						
Electric Operating Revenues	6,223,790	1,321,691	6,518,490	1,111,703	115,131	1,826,886
Electric Operating Expenses						
Operation Expense	2,924,909	715,179	3,749,359	678,577	72,531	808,661
Maintenance Expense	321,192	62,603	377,596	75,062	5,328	197,578
Depreciation Expense	753,129	147,454	684,025	77,505	7,739	155,967
Amortization	20,448	1,908	-117,702	193	6	52,258
Taxes Other Than Income Taxes	223,220	35,353	179,382	48,823	9,995	155,869
Federal Income Taxes	387,511	63,922	312,362	20,222	2,367	74,201
Other Income Taxes	113,640	18,764	120,076	3,471	53	32,186
Provision for Deferred Income Taxes	146,578	72,730	833,197	62,360	2,759	86,007
(less) Provision for Deferred						
Income Taxes (credit)	64,414	20,912	787,162	19,400	283	51,213
Investment Tax Credit Adjustments (net)	9,945	-11,260	-14,707	-3,649	-321	-11,925
(less) Gains from Disposition of Utility Plant	92	995	0	0	0	238
Losses from Disposition of Utility Plant	0	0	1	0	0	315
Total Electric Operating Expenses	4,836,071	1,084,745	5,336,426	943,165	100,173	1,499,666
Net Electric Utility Operating Income	1,387,719	236,946	1,182,064	168,538	14,958	327,219
Gas Utility Operating Income						
Gas Operating Revenues	2,882,272	445,055	721	537,659	10,427	124,229
Gas Operating Expenses						
Operation Expenses	2,267,692	357,571	539	482,269	7,996	84,620
Maintenance Expenses	46,657	4,764	58	8,269	366	3,069
Depreciation Expenses	183,876	21,186	30	11,611	624	6,938
Amortization	6,052	2,002	0	131	0	0
Taxes Other Than Income Taxes	42,391	5,038	15	11,945	787	8,812
Federal Income Taxes	80,464	27,095	23	3,611	7	6,198
Other Income Taxes	26,244	7,371	7	612	-2	2,910
Provision for Deferred Income Taxes	15,705	7,649	11	1,094	117	1,712
(less) Provision for Deferred						
Income Taxes (credit)	4,128	21,484	20	3,243	48	2,552
Investment Tax Credit Adjustments (net)	1,899	-1,500	0	-896	-28	-41
(less) Gains from Disposition of Utility Plant	1	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	2,668,851	409,691	666	515,403	9,820	111,666
Net Gas Utility Operating Income	213,421	35,364	56	22,256	606	12,563
Other Utility Operating Income						
Other Utility Operating Revenues	4,793	2,205	1,199	5,353	15,916	0
Other Utility Operating Expenses						
Operation Expenses	5,555	1,712	481	3,834	6,079	0
Maintenance Expenses	630	278	231	605	991	0
Depreciation Expense	329	38	164	327	2,007	0
Amortization	0	0	0	34	67	0
Taxes Other Than Income Taxes	248	49	73	155	1,763	0
Federal Income Taxes	-930	-100	-39	-65	900	0
Other Income Taxes	-275	1	-9	-11	133	0
Provision for Deferred Income Taxes	141	0	0	185	1,037	0
(less) Provision for Deferred						
Income Taxes (credit)	3	0	0	6	584	0
Investment Tax Credit Adjustments (net)	6	0	0	-9	-68	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	5,652	1,977	901	5,049	12,326	0
Net Other Utility Operating Income	-860	228	298	304	3,590	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	California	California	California	Colorado	Connecticut	Connecticut
Item	Pacific Gas & Electric Co.	San Diego Gas & Electric Co.	Southern California Edison Co.	Public Service Co. of Colorado	Citizens Utilities Co.	Connecticut Light & Power Co.
Total Utility Operating Income						
Total Utility Operating Revenues	9,110,854	1,768,951	6,520,410	1,654,716	141,473	1,951,115
Total Utility Operating Expenses						
Operation Expenses	5,198,156	1,074,461	3,750,379	1,164,681	86,606	893,282
Maintenance Expenses	368,479	67,545	377,885	83,937	6,685	200,647
Depreciation Expense	937,334	158,678	584,219	89,443	10,371	162,905
Amortization	26,500	3,910	-117,702	357	73	52,258
Taxes Other Than Income Taxes	265,859	40,440	179,470	60,923	12,545	164,681
Federal Income Taxes	467,000	90,917	312,346	23,758	3,275	80,399
Other Income Taxes	141,609	26,134	120,074	4,072	184	35,096
Provision for Deferred Income Taxes	162,424	80,379	833,208	63,638	3,913	87,719
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	68,546	42,396	787,181	22,649	916	53,765
Investment Tax Credit Adjustments (net)	11,851	-12,760	-14,707	-4,554	-417	-11,966
(less) Gains from Disposition of Utility Plant	93	995	0	0	0	238
Losses from Disposition of Utility Plant	0	0	1	0	0	315
Total Utility Operating Expenses	7,510,573	1,496,413	5,337,992	1,463,617	122,320	1,611,332
Net Utility Operating Income	1,600,280	272,538	1,182,418	191,099	19,154	339,783
Other Income and Deductions						
Other Income						
Nonutility Operating Income	61	554	-2,188	-77	73	-664
Equity in Earnings of Subsidiary Companies	-27,088	3,710	-74	21,142	68,649	7,535
Interest and Dividend Income	130,349	4,261	98,011	759	768	3,757
Allowance for Other Funds Used						
During Construction	74,845	7,386	12,598	1,374	2,299	2,659
Miscellaneous Nonoperating Income	2,977	0	47,699	1,281	15,425	58,954
Gain on Disposition of Property	2,121	811	7,392	766	0	870
Total Other Income	133,264	16,722	163,438	25,244	87,413	73,111
Other Income Deductions						
Loss on Disposition of Property	6,357	0	811	12	0	5
Miscellaneous Amortization	174	0	0	0	10	1,118
Miscellaneous Income Deductions	53,412	8,454	4,257	3,948	628	14,004
Total Other Income Deductions	59,943	8,454	5,068	3,958	638	15,127
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	309	315	345	20	0	123
Federal Income Taxes	2,052	-3,400	-4,860	-2,547	-111	-19,590
Other Income Taxes	-755	-1,700	-384	-435	449	-8,539
Provision for Deferred Income Taxes	-2,727	2,400	71,778	-285	0	9,658
(less) Provision for Deferred						
Income Taxes (credit)	2,261	4,180	-2,243	0	0	3,932
Investment Tax Credit Adjustments (net)	-21,811	439	0	-1	0	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	-25,193	-6,126	69,122	-3,247	338	-22,280
Net Other Income and Deductions	98,514	14,394	89,248	24,534	86,438	80,263

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	California Pacific Gas & Electric Co	California San Diego Gas & Electric Co	California Southern California Edison Co	Colorado Public Service Co of Colorado	Connecticut Citizens Utilities Co	Connecticut Connecticut Light & Power Co
Interest Charges						
Interest on Long-term Debt	692,900	86,315	426,704	61,573	16,464	191,644
Amortization of Debt Discount and Expense	6,088	931	4,742	1,312	263	1,547
Amortization of Loss on Recaptured Debt	26,622	1,642	13,791	0	0	2,522
(less) Amortization of Premium on Debt (credit)	37	15	319	76	0	14
(less) Amortization of Gain on Required Debt (credit)	5,253	128	0	0	3	769
Interest on Debt to Associated Companies	13,770	0	0	0	0	138
Other Interest Expense	82,257	13,984	113,083	5,859	754	15,119
(less) Allowance for Borrowed Funds Used During Construction (credit)	18,181	2,913	9,482	1,877	593	4,646
Net Interest Charges	798,166	99,806	548,519	66,792	16,887	205,541
 Income Before Extraordinary Items	 900,628	 187,126	 723,148	 148,841	 88,705	 214,505
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
 Net Income	 900,628	 187,126	 723,148	 148,841	 88,705	 214,505
 Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	1,847,642	434,060	2,390,610	102,327	-1,537	748,666
Balance Transferred from Income	927,716	183,416	723,222	127,699	39,924	206,970
Credits to Retained Earnings	1	0	0	0	0	0
(less) Debits to Retained Earnings	196	0	31	0	10	0
(less) Appropriations of Retained Earnings	0	0	114	0	0	0
(less) Dividends Declared - Preferred Stock	101,560	11,191	44,506	12,611	0	30,536
(less) Dividends Declared - Common Stock	590,626	150,943	684,907	105,177	66,665	256,972
Unappropriated Undistributed Subsidiary Earnings	534	0	-1,095	17,073	0	6,283
 Retained Earnings - End of Year	 2,083,510	 455,339	 2,383,179	 129,310	 -28,289	 674,411
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve - Federal	2,419	0	4,582	0	0	389
 Total Retained Earnings	 2,085,929	 455,339	 2,387,761	 129,310	 -28,289	 674,800

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Electric Utility Operating Income						
Electric Operating Revenues	200,241	799	531,181	678,397	1,394,909	4,946,291
Electric Operating Expenses						
Operation Expense	99,262	861	269,170	353,051	690,986	2,608,192
Maintenance Expense	38,316	8	39,426	56,027	93,332	385,472
Depreciation Expense	15,109	69	30,662	67,612	109,867	590,995
Amortization	0	0	15,372	3,177	9,966	34,469
Taxes Other Than Income Taxes	7,009	36	44,800	28,375	127,136	407,000
Federal Income Taxes	5,745	-51	15,985	18,236	53,727	217,140
Other Income Taxes	3,253	0	9,696	3,477	7,104	39,418
Provision for Deferred Income Taxes	7,602	23	23,610	46,762	58,917	322,654
(less) Provision for Deferred Income Taxes (credit)	8,823	-3	10,300	23,546	27,191	345,770
Investment Tax Credit Adjustments (net)	-1,690	0	-1,029	-940	-3,406	-23,096
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	396
Losses from Disposition of Utility Plant	0	0	0	0	0	82
Total Electric Operating Expenses	165,804	948	437,392	552,231	1,126,437	4,236,159
Net Electric Utility Operating Income	34,437	-149	93,789	126,166	274,471	710,131
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	86,742	0	0
Gas Operating Expenses						
Operation Expenses	0	0	0	64,148	0	0
Maintenance Expenses	0	0	0	3,142	0	0
Depreciation Expenses	0	0	0	4,133	0	0
Amortization	0	0	0	54	0	0
Taxes Other Than Income Taxes	0	0	0	2,962	0	0
Federal Income Taxes	0	0	0	3,482	0	0
Other Income Taxes	0	0	0	1,078	0	0
Provision for Deferred Income Taxes	0	0	0	3,790	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	4,287	0	0
Investment Tax Credit Adjustments (net)	0	0	0	-8	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	78,493	0	0
Net Gas Utility Operating Income	0	0	0	8,249	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	24,569	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	14,172	0	0
Maintenance Expenses	0	0	0	5,878	0	0
Depreciation Expense	0	0	0	936	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	461	0	0
Federal Income Taxes	0	0	0	1,072	0	0
Other Income Taxes	0	0	0	279	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	22,798	0	0
Net Other Utility Operating Income	0	0	0	1,771	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Total Utility Operating Income						
Total Utility Operating Revenues	200,241	799	531,181	789,707	1,394,909	4,946,291
Total Utility Operating Expenses						
Operation Expenses	99,282	861	269,170	431,371	690,986	2,608,192
Maintenance Expenses	38,316	8	39,426	65,047	93,332	385,472
Depreciation Expense	15,109	69	30,662	72,680	109,867	290,995
Amortization	0	0	15,372	3,231	9,966	34,469
Taxes Other Than Income Taxes	7,009	36	44,800	31,798	127,136	407,000
Federal Income Taxes	5,745	-51	15,985	22,790	53,727	217,140
Other Income Taxes	3,253	0	9,696	4,834	7,104	39,418
Provision for Deferred Income Taxes	7,602	23	23,610	50,552	58,917	322,654
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	8,823	-3	10,300	27,833	27,191	345,770
Investment Tax Credit Adjustments (net)	-1,690	0	-1,029	-948	-3,406	-23,096
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	396
Losses from Disposition of Utility Plant	0	0	0	0	0	82
Total Utility Operating Expenses	165,804	948	437,392	653,522	1,120,437	4,236,159
Net Utility Operating Income	34,437	-149	93,789	136,185	274,471	710,131
Other Income and Deductions						
Other Income						
Nonutility Operating Income	0	0	-1,163	-184	167	-5,472
Equity in Earnings of Subsidiary Companies	0	0	1,488	5,007	31,305	0
Interest and Dividend Income	3,386	4	4,093	1,739	608	1,319
Allowance for Other Funds Used						
During Construction	1,071	1	38,968	3,730	2,321	6,381
Miscellaneous Nonoperating Income	34	0	5,776	1,267	12,488	3,714
Gain on Disposition of Property	0	9	889	29	61	3,150
Total Other Income	4,491	13	50,051	11,588	46,949	9,092
Other Income Deductions						
Loss on Disposition of Property	0	0	0	-4	61	14
Miscellaneous Amortization	0	0	848	98	0	0
Miscellaneous Income Deductions	35	0	250,070	855	3,208	10,056
Total Other Income Deductions	35	0	250,918	950	3,269	10,071
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	0	13	26	43	245
Federal Income Taxes	95	0	-12,649	382	8,992	-4,550
Other Income Taxes	45	0	-5,274	7	-581	-339
Provision for Deferred Income Taxes	5	0	2,226	312	2,783	716
(less) Provision for Deferred						
Income Taxes (credit)	0	0	56,615	4	7,823	1,310
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	0	0	29,324	2,271	0	0
Total Taxes on Other Income and Deductions	144	0	-101,623	-1,548	3,413	-5,238
Net Other Income and Deductions	4,312	13	-99,243	12,187	40,267	4,259

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Interest Charges						
Interest on Long-term Debt	23,540	0	91,126	58,057	95,974	254,247
Amortization of Debt Discount and Expense	431	0	784	451	1,060	1,373
Amortization of Loss on Recquired Debt	2	0	16,472	380	945	6,825
(less) Amortization of Premium on Debt (credit)	0	0	2	117	62	231
(less) Amortization of Gain on Reacquired Debt (credit)	365	0	0	0	0	1
Interest on Debt to Associated Companies	0	21	0	0	0	0
Other Interest Expense	2,792	0	5,596	1,345	15,388	30,534
(less) Allowance for Borrowed Funds Used During Construction (credit)	3,698	1	46,079	3,052	13,153	15,242
Net Interest Charges	22,701	20	67,896	57,064	100,152	277,505
Income Before Extraordinary Items	16,048	-156	-73,351	91,308	214,587	436,885
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	16,048	-156	-73,351	91,308	214,587	436,885
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	53,886	6	195,518	254,102	565,670	943,657
Balance Transferred from Income	16,048	-156	-74,839	86,301	183,282	436,885
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	0	0	978	0	345
(less) Appropriations of Retained Earnings	0	0	0	0	0	-137
(less) Dividends Declared - Preferred Stock	0	0	7,981	7,427	9,235	43,920
(less) Dividends Declared - Common Stock	11,550	0	32,219	70,517	138,927	398,075
Unappropriated Undistributed Subsidiary Earnings	0	0	1,097	161	0	0
Retained Earnings - End of Year	58,384	-150	81,576	261,642	600,790	938,339
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve, Federal	0	0	0	0	0	0
Total Retained Earnings	58,384	-150	81,576	261,642	600,790	938,339

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Florida Florida Power Corp	Florida Gulf Power Co	Florida Tampa Electric Co	Georgia Georgia Power Co	Georgia Savannah Electric & Power Co	Hawaii Hawaiian Electric Co Inc
Electric Utility Operating Income						
Electric Operating Revenues	1,626,999	488,577	934,646	3,923,480	187,857	450,954
Electric Operating Expenses						
Operation Expense	869,843	258,330	505,222	2,100,372	86,629	285,411
Maintenance Expense	131,367	44,295	60,508	233,680	12,281	20,616
Depreciation Expense	154,903	46,026	87,057	364,456	16,054	29,297
Amortization	375	4,990	2,816	-36,256	5,424	-2,033
Taxes Other Than Income Taxes	107,294	30,718	62,990	128,518	9,152	41,527
Federal Income Taxes	70,854	14,496	59,945	95,380	12,048	20,369
Other Income Taxes	12,715	3,882	10,449	19,559	1,908	2,443
Provision for Deferred Income Taxes	64,130	20,974	19,783	332,032	11,440	-772
(less) Provision for Deferred Income Taxes (credit)	52,757	15,730	24,873	165,058	7,825	2,260
Investment Tax Credit Adjustments (net)	-8,454	-2,257	-5,013	-29,945	-1,135	-71
(less) Gains from Disposition of Utility Plant	0	0	19	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	1,350,271	405,724	778,864	3,042,737	145,977	394,648
Net Electric Utility Operating Income	276,728	82,853	155,782	880,743	41,880	56,306
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	0	0	0
Gas Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expenses	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	0	0	0
Net Gas Utility Operating Income	0	0	0	0	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Florida Florida Power Corp	Florida Gulf Power Co	Florida Tampa Electric Co	Georgia Georgia Power Co	Georgia Savannah Electric & Power Co	Hawaii Hawaiian Electric Co Inc
Total Utility Operating Income						
Total Utility Operating Revenues	1,626,999	488,577	934,646	3,923,480	187,857	450,954
Total Utility Operating Expenses						
Operation Expenses	869,843	258,330	505,222	2,100,372	86,629	285,531
Maintenance Expenses	131,367	44,295	60,508	233,680	12,281	20,616
Depreciation Expense	154,903	46,026	87,057	364,456	16,054	29,297
Amortization	275	4,990	2,816	-36,256	5,424	-2,033
Taxes Other Than Income Taxes	107,294	30,718	62,990	128,518	9,152	41,527
Federal Income Taxes	70,854	14,496	59,945	95,380	12,048	20,369
Other Income Taxes	12,715	3,882	10,449	19,559	1,908	2,443
Provision for Deferred Income Taxes	64,130	20,974	19,783	332,032	11,440	-772
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	52,757	15,730	24,873	165,058	7,825	2,260
Investment Tax Credit Adjustments (net)	-8,454	-2,257	-5,013	-29,945	-1,135	-71
(less) Gains from Disposition of Utility Plant	0	0	19	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	1,350,271	405,724	778,864	3,042,737	145,977	394,648
Net Utility Operating Income	276,728	82,853	155,782	880,743	41,880	56,306
Other Income and Deductions						
Other Income						
Nonutility Operating Income	-515	-2,331	-522	-56	0	70
Equity in Earnings of Subsidiary Companies	0	0	0	3,750	0	11,129
Interest and Dividend Income	536	4,053	851	10,333	719	1,654
Allowance for Other Funds Used						
During Construction	0	-446	587	40,525	0	2,637
Miscellaneous Nonoperating Income	296	-128	0	41,512	0	553
Gain on Disposition of Property	473	0	474	730	0	0
Total Other Income	789	1,149	1,390	96,793	719	16,043
Other Income Deductions						
Loss on Disposition of Property	0	0	0	180	0	0
Miscellaneous Amortization	1,246	0	0	24	0	0
Miscellaneous Income Deductions	1,403	2,352	496	14,861	672	591
Total Other Income Deductions	2,648	2,392	496	15,065	672	591
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	101	170	28	1,154	0	0
Federal Income Taxes	-691	-826	-32	-27,942	-2	-2,085
Other Income Taxes	-115	-26	14	-5,756	25	-206
Provision for Deferred Income Taxes	415	234	18	72,560	45	0
(less) Provision for Deferred						
Income Taxes (credit)	336	159	60	55,043	183	40
Investment Tax Credit Adjustments (net)	0	-88	0	-919	0	0
(less) Investment Tax Credits	0	0	1	0	0	0
Total Taxes on Other Income and Deductions	-626	-597	-33	-15,946	-192	-2,331
Net Other Income and Deductions	-1,233	-547	927	97,674	249	17,783

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Florida Power Corp	Florida Gulf Power Co	Florida Tampa Electric Co	Georgia Power Co	Georgia Savannah Electric & Power Co	Hawaii Hawaiian Electric Co Inc
Interest Charges						
Interest on Long-term Debt	77,447	36,679	41,350	475,991	12,286	16,714
Amortization of Debt Discount and Expense	1,015	596	409	2,773	132	370
Amortization of Loss on Reacquired Debt	550	0	0	3,281	145	0
(less) Amortization of Premium on Debt (credit)	271	10	47	30	3	0
(less) Amortization of Gain on Reacquired Debt (credit)	0	0	0	158	0	0
Interest on Debt to Associated Companies	0	0	0	0	0	843
Other Interest Expense	17,880	1,816	7,079	9,927	1,715	4,231
(less) Allowance for Borrowed Funds Used During Construction (credit)	5,170	-242	1,758	34,244	112	903
Net Interest Charges	91,450	39,324	47,033	457,539	14,164	21,256
Income Before Extraordinary Items	184,044	42,983	109,676	520,878	27,956	52,833
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	184,044	42,983	109,676	520,878	27,956	52,833
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	576,883	112,702	179,579	1,070,625	88,915	121,220
Balance Transferred from Income	184,044	42,983	109,676	517,128	27,956	41,703
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	0	0	12	614	-4,764
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	16,832	5,622	4,445	71,779	2,420	3,097
(less) Dividends Declared - Common Stock	125,387	37,200	108,268	394,500	20,000	19,961
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	0	0
Retained Earnings - End of Year	618,708	112,863	176,541	1,121,462	93,836	144,630
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve - Federal	0	0	0	879	0	0
Total Retained Earnings	618,708	112,863	176,541	1,122,341	93,836	144,630

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Hawaii Maui Electric Co. Ltd.	Idaho Idaho Power Co.	Illinois Central Illinois Light Co.	Illinois Central Illinois Pub. Serv. Co.	Illinois Commonwealth Edison Co.	Illinois Electric Energy Inc.
Electric Utility Operating Income						
Electric Operating Revenues	79,537	496,161	280,730	473,763	5,751,050	188,942
Electric Operating Expenses						
Operation Expenses	44,728	218,891	131,822	188,802	2,038,389	153,153
Maintenance Expenses	5,121	34,194	22,212	56,264	429,754	12,413
Depreciation Expenses	6,667	52,782	34,204	59,876	851,666	4,090
Amortization	0	310	248	984	8,879	0
Taxes Other Than Income Taxes	7,401	20,213	17,941	43,098	659,022	1,728
Federal Income Taxes	4,034	34,433	15,039	36,982	259,781	12,096
Other Income Taxes	156	6,317	3,293	8,077	48,816	3,487
Provision for Deferred Income Taxes	-372	12,302	10,523	15,480	431,884	379
(less) Provision for Deferred Income Taxes (credit)	56	11,072	8,187	25,627	231,235	8,561
Investment Tax Credit Adjustments (net)	140	-3,187	-1,402	-3,061	-83,441	-108
(less) Gains from Disposition of Utility Plant	0	0	0	0	156	0
Losses from Disposition of Utility Plant	0	0	0	0	189	0
Total Electric Operating Expenses	67,818	365,184	225,693	380,878	4,413,546	178,677
Net Electric Utility Operating Income	11,719	130,977	55,037	92,886	1,337,504	10,265
Gas Utility Operating Income						
Gas Operating Revenues	0	0	141,378	111,699	0	0
Gas Operating Expenses						
Operation Expenses	0	0	102,946	91,218	0	0
Maintenance Expenses	0	0	2,448	2,642	0	0
Depreciation Expenses	0	0	11,890	4,148	0	0
Amortization	0	0	41	52	0	0
Taxes Other Than Income Taxes	0	0	8,887	8,737	0	0
Federal Income Taxes	0	0	850	398	0	0
Other Income Taxes	0	0	219	5	0	0
Provision for Deferred Income Taxes	0	0	7,771	2,834	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	5,434	2,927	0	0
Investment Tax Credit Adjustments (net)	0	0	-292	-225	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	129,336	106,881	0	0
Net Gas Utility Operating Income	0	0	12,042	4,818	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expenses	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Hawaii	Idaho	Illinois	Illinois	Illinois	Illinois
Item	Maui Electric Co Ltd	Idaho Power Co	Central Illinois Light Co	Central Illinois Pub Serv Co	Commonwealth Edison Co	Electric Energy Inc
Total Utility Operating Income						
Total Utility Operating Revenues	79,537	496,161	422,108	585,462	5,751,050	188,942
Total Utility Operating Expenses						
Operation Expenses	44,728	218,891	234,768	280,020	2,038,389	153,153
Maintenance Expenses	5,121	34,194	24,659	58,906	429,754	12,413
Depreciation Expense	6,667	52,782	46,093	64,024	851,666	4,090
Amortization	0	310	289	1,036	8,879	0
Taxes Other Than Income Taxes	7,401	20,213	26,838	51,835	659,022	1,728
Federal Income Taxes	4,034	34,433	15,889	37,381	259,781	12,096
Other Income Taxes	156	6,317	3,512	8,082	48,816	3,487
Provision for Deferred Income Taxes	-372	12,302	18,294	18,315	431,884	379
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	56	11,072	13,620	28,554	231,235	8,561
Investment Tax Credit Adjustments (net)	140	-3,187	-1,694	-3,287	-83,441	-108
(less) Gains from Disposition of Utility Plant	0	0	0	0	156	0
Losses from Disposition of Utility Plant	0	0	0	0	189	0
Total Utility Operating Expenses	67,818	365,184	355,028	487,758	4,413,546	178,677
Net Utility Operating Income	11,719	130,977	67,080	97,704	1,337,504	10,265
Other Income and Deductions						
Other Income						
Nonutility Operating Income	20	57	-47	0	1,596	0
Equity in Earnings of Subsidiary Companies	0	7,215	42	2,370	6,666	0
Interest and Dividend Income	46	2,931	2,511	14,562	18,944	4,717
Allowance for Other Funds Used						
During Construction	465	728	118	472	24,700	0
Miscellaneous Nonoperating Income	131	882	40	1,500	38,793	20
Gain on Disposition of Property	0	66	0	0	105	0
Total Other Income	662	11,679	2,665	18,904	90,804	4,737
Other Income Deductions						
Loss on Disposition of Property	0	1	27	8	121	0
Miscellaneous Amortization	72	0	713	0	0	0
Miscellaneous Income Deductions	183	2,338	744	910	64,182	6
Total Other Income Deductions	255	2,340	1,483	917	64,303	6
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	51	19	25	1,810	0
Federal Income Taxes	11	1,242	9	2,552	-987	0
Other Income Taxes	2	209	2	638	-1,609	0
Provision for Deferred Income Taxes	0	90	0	88	2,109	0
(less) Provision for Deferred						
Income Taxes (credit)	0	1,537	212	32	5,463	0
Investment Tax Credit Adjustments (net)	0	0	0	0	-1,124	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	13	55	-182	3,271	-5,265	0
Net Other Income and Deductions	394	9,485	1,364	14,715	31,756	4,731

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Hawaii Maui Electric Co. Ltd.	Idaho Idaho Power Co.	Illinois Central Illinois Light Co.	Illinois Central Illinois Pub. Serv. Co.	Illinois Commonwealth Edison Co.	Illinois Electric Energy Inc.
Interest Charges						
Interest on Long-term Debt	4,131	49,629	21,968	36,605	655,355	0
Amortization of Debt Discount and Expense	40	319	152	209	4,905	0
Amortization of Loss on Recquired Debt	0	9	0	108	17,874	0
(less) Amortization of Premium on Debt (credit)	0	82	45	28	42	0
(less) Amortization of Gain on Recquired Debt (credit)	0	3	0	0	0	0
Interest on Debt to Associated Companies	622	2,723	0	0	0	0
Other Interest Expense	-4	5,363	2,003	4,484	15,262	3,065
(less) Allowance for Borrowed Funds Used During Construction (credit)	157	2,234	66	182	17,767	0
Net Interest Charges	4,633	55,725	24,012	41,196	675,587	3,065
Income Before Extraordinary Items	7,480	84,737	44,431	71,222	693,683	11,932
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	7,480	84,737	44,431	71,222	693,683	11,932
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	25,014	210,487	87,586	235,401	2,129,636	2,634
Balance Transferred from Income	7,480	77,521	44,390	71,222	687,017	11,932
Credits to Retained Earnings	0	0	0	376	0	0
(less) Debits to Retained Earnings	0	0	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	11	0
(less) Dividends Declared - Preferred Stock	770	4,285	4,441	5,856	94,172	0
(less) Dividends Declared - Common Stock	2,733	62,178	33,231	61,168	635,045	11,932
Unappropriated Undistributed Subsidiary Earnings	0	6,000	0	-101	1,100	0
Retained Earnings - End of Year	28,991	227,546	94,304	239,874	2,088,525	2,634
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings Amortization Reserve - Federal	0	1,544	0	0	165	0
Total Retained Earnings	28,991	229,090	94,304	239,874	2,088,690	2,634

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 - Annual Report of Major Electric Utilities, Licensees and Others.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Illinois Power Co	Illinois Mt. Carmel Public Utility Co	Indiana Alcoa Generating Corp	Indiana AEP Generating Co	Indiana Commonwealth Edison Co of Indiana Inc	Indiana Indiana Michigan Power Co
Electric Utility Operating Income						
Electric Operating Revenues	987,985	10,654	106,740	156,832	64,868	1,005,638
Electric Operating Expenses						
Operation Expense	411,196	8,480	88,497	77,275	27,571	446,115
Maintenance Expense	82,021	318	10,066	7,851	12,677	104,223
Depreciation Expense	159,057	396	4,159	20,298	6,886	124,594
Amortization	-18,291	-20	0	0	0	17,176
Taxes Other Than Income Taxes	102,744	611	1,188	1,879	6,050	50,650
Federal Income Taxes	-18,119	260	519	115,876	4,098	215,794
Other Income Taxes	1,918	69	240	-1,161	868	5,727
Provision for Deferred Income Taxes	152,993	-80	388	31,935	852	79,363
(less) Provision for Deferred Income Taxes (credit)	94,931	0	0	175,403	917	275,866
Investment Tax Credit Adjustments (net)	-7,969	0	327	35,868	77	27,465
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	23
Losses from Disposition of Utility Plant	0	0	0	0	0	24
Total Electric Operating Expenses	770,618	10,032	104,730	114,418	58,108	795,242
Net Electric Utility Operating Income	217,367	621	2,010	42,414	6,761	210,396
Gas Utility Operating Income						
Gas Operating Revenues	324,646	2,019	0	0	0	0
Gas Operating Expenses						
Operation Expenses	244,955	1,624	0	0	0	0
Maintenance Expenses	6,967	78	0	0	0	0
Depreciation Expenses	17,107	90	0	0	0	0
Amortization	51	-2	0	0	0	0
Taxes Other Than Income Taxes	21,112	128	0	0	0	0
Federal Income Taxes	-24,470	21	0	0	0	0
Other Income Taxes	-2,906	5	0	0	0	0
Provision for Deferred Income Taxes	61,631	-14	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	27,928	0	0	0	0	0
Investment Tax Credit Adjustments (net)	-818	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	295,701	1,931	0	0	0	0
Net Gas Utility Operating Income	28,945	88	0	0	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Illinois	Illinois	Indiana	Indiana	Indiana	Indiana
Item	Illinois Power Co	Mt Carmel Public Utility Co	Alcoa Generating Corp	AEP Generating Co	Commonwealth Edison Co of Indiana Inc	Indiana Michigan Power Co
Total Utility Operating income:						
Total Utility Operating Revenues	1,312,630	12,673	106,740	156,832	64,468	1,005,638
Total Utility Operating Expenses:						
Operation Expenses	656,151	10,104	88,497	17,275	27,571	446,115
Maintenance Expenses	88,988	396	10,066	7,851	12,677	104,223
Depreciation Expense	176,164	486	4,150	20,298	6,986	124,594
Amortization	18,240	-22	0	0	0	17,176
Taxes Other Than Income Taxes	123,856	739	1,188	1,879	6,050	50,650
Federal Income Taxes	42,580	281	519	115,876	4,098	215,794
Other Income Taxes	988	74	240	-1,161	868	5,727
Provision for Deferred Income Taxes	214,624	-95	388	31,935	852	79,363
(less) Provision for Deferred Income Taxes - Income Taxes (credit)	122,859	0	0	175,403	917	275,866
Investment Tax Credit Adjustments (net)	-8,787	0	327	35,868	-77	27,465
Less: Gains from Disposition of Utility Plant	0	0	0	0	0	23
Losses from Disposition of Utility Plant	0	0	0	0	0	24
Total Utility Operating Expenses	1,066,319	11,963	104,730	114,418	58,108	795,242
Net Utility Operating Income	246,311	710	2,010	42,414	6,761	210,396
Other Income and Deductions:						
Other Income:						
Nonutility Operating Income	-157	0	0	0	0	448
Equity in Earnings of Subsidiary Companies	2,337	0	0	0	0	733
Interest and Dividend Income	14,306	0	0	1,517	443	8,853
Allowance for Other Funds Used During Construction	1,689	0	0	20,481	157	27,972
Miscellaneous Nonoperating Income	14,727	0	0	0	0	241
Gain on Disposition of Property	23	0	0	0	0	465
Total Other Income	32,925	0	0	21,918	600	38,713
Other Income Deductions:						
Loss on Disposition of Property	0	0	0	6	0	194
Miscellaneous Amortization	142	0	0	0	0	0
Miscellaneous Income Deductions	459,845	25	0	72	4	7,515
Total Other Income Deductions	459,987	25	0	79	4	7,709
Taxes to Other Income and Deductions:						
Taxes Other Than Income Taxes	98	0	0	0	0	2,470
Federal Income Taxes	5,812	0	0	216	151	-4,136
Other Income Taxes	688	0	0	0	0	0
Provision for Deferred Income Taxes	9,209	0	0	1	0	5,699
(less) Provision for Deferred Income Taxes (credit)	113,393	0	0	0	0	5,928
Investment Tax Credit Adjustments (net)	-17,104	0	0	-1,720	0	-20
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	-114,591	0	0	-1,502	151	-1,915
Net Other Income and Deductions	-312,371	-25	0	23,342	445	32,919

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Illinois Illinois Power Co	Illinois Mt Carmel Public Utility Co	Indiana Alcoa Generating Corp	Indiana AEP Generating Co	Indiana Commonwealth Edison Co of Indiana Inc	Indiana Indiana Michigan Power Co
Interest Charges						
Interest on Long-term Debt	216,029	0	0	55,739	1,825	131,039
Amortization of Debt Discount and Expense	1,831	0	0	203	22	729
Amortization of Loss on Recaptured Debt	1,455	0	0	0	0	840
(less) Amortization of Premium on Debt (credit)	3	0	0	0	0	10
(less) Amortization of Gain on Required Debt (credit)	1	0	0	0	0	0
Interest on Debt to Associated Companies	0	0	0	0	0	0
Other Interest Expense	4,566	10	0	2,761	0	5,709
(less) Allowance for Borrowed Funds Used During Construction (credit)	1,503	0	0	31,639	130	32,107
Net Interest Charges	222,372	10	0	27,064	717	106,170
Income Before Extraordinary Items	-288,432	674	2,010	38,692	5,489	137,145
Extraordinary Items						
Extraordinary Income	0	2	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	2	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	2	0	0	0	0
Net Income	-288,432	676	2,010	38,692	5,489	137,145
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	515,497	4,006	3,052	33,542	13,634	140,424
Balance Transferred from Income	-288,499	676	2,010	38,692	5,489	136,412
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	0	0	0	0	2,763
(less) Appropriations of Retained Earnings	0	0	0	0	0	8
(less) Dividends Declared - Preferred Stock	37,340	0	0	0	1,100	18,048
(less) Dividends Declared - Common Stock	49,092	400	4,800	28,101	0	119,952
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	0	0
Retained Earnings - End of Year	140,566	4,282	262	44,133	18,023	136,065
Appropriated Retained Earnings	0	5	0	0	0	0
Appropriated Retained Earnings Amortization Reserve, Federal	0	0	0	0	0	39
Total Retained Earnings	140,566	4,277	262	44,133	18,023	136,104

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Electric Utility Operating Income						
Electric Operating Revenues	570,592	882,303	1,059,186	247,680	214,498	307,310
Electric Operating Expenses						
Operation Expense	219,865	398,183	543,774	114,802	107,890	171,308
Maintenance Expense	56,541	72,500	94,420	24,367	15,323	25,010
Depreciation Expense	64,610	116,511	93,721	29,693	19,620	34,418
Amortization	6,879	4,217	372	2,054	2,840	3,230
Taxes Other Than Income Taxes	27,054	46,670	40,204	9,129	11,793	20,215
Federal Income Taxes	45,310	11,547	90,418	17,968	3,769	9,339
Other Income Taxes	6,890	5,843	12,869	2,747	1,579	3,146
Provision for Deferred Income Taxes	24,062	35,013	21,758	5,624	2,289	11,406
(less) Provision for Deferred Income Taxes (credit)	10,285	12,582	55,732	6,154	-9,368	14,661
Investment Tax Credit Adjustments (net)	-3,413	13,651	-4,274	-1,763	-986	-1,911
(less) Gains from Disposition of Utility Plant	26	0	0	0	0	0
Losses from Disposition of Utility Plant	1,433	0	0	0	89	0
Total Electric Operating Expenses	429,919	692,452	837,528	197,466	173,774	261,500
Net Electric Utility Operating Income	140,673	189,851	221,658	50,415	40,724	45,810
Gas Utility Operating Income						
Gas Operating Revenues	0	677,262	0	63,662	56,213	102,664
Gas Operating Expenses						
Operation Expenses	0	516,184	0	55,659	46,747	87,733
Maintenance Expenses	0	13,712	0	1,969	1,431	941
Depreciation Expenses	0	44,307	0	2,798	1,768	2,056
Amortization	0	729	0	0	6	110
Taxes Other Than Income Taxes	0	21,039	0	2,181	883	1,900
Federal Income Taxes	0	20,072	0	562	1,188	-719
Other Income Taxes	0	3,628	0	67	380	-265
Provision for Deferred Income Taxes	0	13,941	0	712	266	6,556
(less) Provision for Deferred Income Taxes (credit)	0	20,028	0	1,389	9	2,432
Investment Tax Credit Adjustments (net)	0	723	0	-115	-52	-121
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	614,306	0	62,446	52,608	95,760
Net Gas Utility Operating Income	0	62,956	0	1,216	3,605	6,904
Other Utility Operating Income						
Other Utility Operating Revenues	24,444	0	0	0	0	6,418
Other Utility Operating Expenses						
Operation Expenses	15,154	0	0	0	0	4,073
Maintenance Expenses	4,843	0	0	0	0	294
Depreciation Expense	1,758	0	0	0	0	166
Amortization	0	0	0	0	0	7
Taxes Other Than Income Taxes	1,347	0	0	0	0	173
Federal Income Taxes	-23	0	0	0	0	560
Other Income Taxes	18	0	0	0	0	182
Provision for Deferred Income Taxes	643	0	0	0	0	33
(less) Provision for Deferred Income Taxes (credit)	721	0	0	0	0	174
Investment Tax Credit Adjustments (net)	-74	0	0	0	0	-4
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	22,944	0	0	0	0	5,310
Net Other Utility Operating Income	1,500	0	0	0	0	1,108

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Total Utility Operating Income						
Total Utility Operating Revenues	595,036	1,558,565	1,059,186	311,542	270,712	416,392
Total Utility Operating Expenses						
Operation Expenses	235,020	914,367	543,774	170,461	154,637	263,114
Maintenance Expenses	61,383	86,212	94,420	26,336	16,753	26,246
Depreciation Expense	66,368	160,817	93,721	31,482	21,588	36,639
Amortization	6,879	4,946	372	2,054	2,846	3,347
Taxes Other Than Income Taxes	28,401	67,709	40,204	11,310	12,677	22,287
Federal Income Taxes	45,287	31,619	90,418	18,530	4,957	9,181
Other Income Taxes	6,908	9,471	12,869	2,813	1,958	3,062
Provision for Deferred Income Taxes	24,704	49,654	21,758	6,336	2,556	17,996
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	20,006	32,611	55,732	7,543	-9,359	17,267
Investment Tax Credit Adjustments (net)	-3,487	14,373	-4,274	-1,878	-1,038	-2,035
(less) Gains from Disposition of Utility Plant	26	0	0	0	0	0
Losses from Disposition of Utility Plant	1,433	0	0	0	89	0
Total Utility Operating Expenses	452,864	1,306,757	837,528	259,911	226,383	362,570
Net Utility Operating Income	142,172	252,807	221,658	51,631	44,329	53,822
Other Income and Deductions						
Other Income						
Nonutility Operating Income	-181	-186	-20	40	67	-22
Equity in Earnings of Subsidiary Companies	1	-25	0	1,741	-15	0
Interest and Dividend Income	3,896	4,380	877	2,305	2,256	532
Allowance for Other Funds Used						
During Construction	781	4	-23	357	190	757
Miscellaneous Nonoperating Income	159	4,223	6,632	894	250	697
Gain on Disposition of Property	6	19	2	0	0	24
Total Other Income	4,663	8,415	7,468	5,337	2,748	1,989
Other Income Deductions						
Loss on Disposition of Property	30	32	0	0	21	7
Miscellaneous Amortization	0	0	0	261	0	13
Miscellaneous Income Deductions	1,992	323	5,298	380	251	1,110
Total Other Income Deductions	2,022	355	5,298	641	272	1,131
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	67	0	147	41	6	10
Federal Income Taxes	-755	1,861	3,020	574	725	-905
Other Income Taxes	-76	258	430	82	219	-301
Provision for Deferred Income Taxes	86	0	10,637	0	0	971
(less) Provision for Deferred						
Income Taxes (credit)	14	-839	1,305	0	0	514
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	-692	2,958	12,928	697	950	-741
Net Other Income and Deductions	3,333	5,101	-10,758	3,999	1,526	1,599

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Interest Charges						
Interest on Long-term Debt	52,731	110,278	66,359	18,102	14,911	20,747
Amortization of Debt Discount and Expense	1,363	1,006	481	595	141	111
Amortization of Loss on Recaptured Debt	554	2,474	1,782	130	0	246
(less) Amortization of Premium on Debt (credit)	-62	88	27	10	1	1
(less) Amortization of Gain on Recaptured Debt (credit)	937	0	0	0	0	0
Interest on Debt to Associated Companies	0	0	187	0	0	186
Other Interest Expense	602	6,709	6,950	769	2,300	2,677
(less) Allowance for Borrowed Funds Used During Construction (credit)	615	781	3,157	171	124	1,379
Net Interest Charges	51,034	119,598	72,575	19,414	17,228	22,587
Income Before Extraordinary Items	94,471	138,311	138,325	36,216	28,627	32,833
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	81,963	66,745	0	0	0
Net Extraordinary Items	0	-81,963	66,745	0	0	0
(less) Federal and Other Income Taxes	0	-30,302	66,745	0	0	0
Extraordinary Items After Taxes	0	-51,661	0	0	0	0
Net Income	94,471	86,650	138,325	36,216	28,627	32,833
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	260,822	147,595	254,729	140,471	44,075	71,235
Balance Transferred from Income	94,470	87,304	138,325	36,216	28,643	32,833
Credits to Retained Earnings	0	0	113	133	0	0
(less) Debits to Retained Earnings	0	0	172	0	0	0
(less) Appropriations of Retained Earnings	0	0	124	0	0	0
(less) Dividends Declared - Preferred Stock	5,262	13,538	13,326	1,285	3,240	1,470
(less) Dividends Declared - Common Stock	64,584	81,910	42,655	22,394	18,596	28,480
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	0	0
Retained Earnings - End of Year	285,446	139,451	336,890	153,142	50,882	74,119
Appropriated Retained Earnings	200	0	0	0	0	0
Appropriated Retained Earnings Amortization Reserve - Federal	0	0	316	0	0	0
Total Retained Earnings	285,646	139,451	337,206	153,142	50,882	74,119

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Iowa Power & Light Co.	Iowa Public Service Co.	Iowa Southern Utilities Co.	Iowa Illinois Gas & Electric Co.	Kansas Centel Corp.	Kansas Kansas Gas & Electric Co.
Electric Utility Operating Income						
Electric Operating Revenues	349,906	233,927	102,942	288,591	165,012	531,536
Electric Operating Expenses						
Operation Expenses	159,785	106,176	39,368	98,953	104,943	228,568
Maintenance Expenses	19,890	13,105	6,940	26,121	9,506	41,767
Depreciation Expense	35,009	27,376	11,454	40,167	14,135	68,603
Amortization	1,038	572	34	3,381	0	20,861
Taxes Other Than Income Taxes	26,020	17,979	7,931	25,240	7,411	32,438
Federal Income Taxes	20,256	11,018	8,739	20,138	5,088	4,773
Other Income Taxes	6,815	3,625	2,959	5,650	1,027	49
Provision for Deferred Income Taxes	5,758	3,064	2,099	9,015	2,109	32,184
(less) Provision for Deferred Income Taxes (credit)	2,018	4,014	1,174	6,317	83	22,105
Investment Tax Credit Adjustments (net)	-1,648	-1,629	-799	-2,558	-724	1,374
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	280,913	177,272	77,551	219,789	143,413	405,764
Net Electric Utility Operating Income	68,986	56,654	25,391	68,803	21,599	125,773
Gas Utility Operating Income						
Gas Operating Revenues	0	286,101	32,219	206,632	0	0
Gas Operating Expenses						
Operation Expenses	0	240,116	29,152	174,294	0	0
Maintenance Expenses	0	5,930	418	3,684	0	0
Depreciation Expenses	0	9,478	786	6,376	0	0
Amortization	0	719	11	147	0	0
Taxes Other Than Income Taxes	0	9,869	363	6,814	0	0
Federal Income Taxes	0	3,135	161	6,464	0	0
Other Income Taxes	0	1,211	4	1,611	0	0
Provision for Deferred Income Taxes	0	-977	379	13,619	0	0
(less) Provision for Deferred Income Taxes (credit)	0	773	324	1,136	0	0
Investment Tax Credit Adjustments (net)	0	729	-47	-220	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	267,981	31,403	195,502	0	0
Net Gas Utility Operating Income	0	18,120	816	11,130	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	-2,098	0	-1,138	0	1,957
Other Utility Operating Expenses						
Operation Expenses	0	-2,098	0	-1,138	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	174
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	-2,098	0	-1,138	0	174
Net Other Utility Operating Income	0	0	0	0	0	1,823

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Iowa	Iowa	Iowa	Iowa	Kansas	Kansas
Item	Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa Illinois Gas & Electric Co	Centel Corp	Kansas Gas & Electric Co
Total Utility Operating Income						
Total Utility Operating Revenues	349,900	517,929	135,161	494,084	165,012	533,533
Total Utility Operating Expenses						
Operation Expenses	169,785	344,195	68,520	272,108	104,943	228,568
Maintenance Expenses	19,890	19,035	7,358	29,804	9,506	41,767
Depreciation Expense	35,009	36,854	12,240	46,542	14,135	68,777
Amortization	1,038	1,291	45	3,527	0	20,861
Taxes Other Than Income Taxes	26,020	27,847	8,794	32,054	7,411	32,438
Federal Income Taxes	20,256	14,154	8,901	13,675	5,088	4,773
Other Income Taxes	6,815	4,836	2,963	4,039	1,027	49
Provision for Deferred Income Taxes	5,768	2,087	2,478	22,693	2,109	32,184
(less) Provision for Deferred Income Taxes Income Taxes (credit)	2,018	4,786	1,498	7,453	83	22,105
Investment Tax Credit Adjustments (net)	1,648	-2,358	-846	-2,778	-724	-1,374
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	280,913	443,155	108,954	414,152	143,413	405,937
Net Utility Operating Income	68,986	74,774	26,207	79,932	21,599	127,596
Other Income and Deductions						
Other Income						
Nonutility Operating Income	31	1,494	-105	15	32	-202
Equity in Earnings of Subsidiary Companies	78	0	0	6,019	379,338	0
Interest and Dividend Income	1,069	6,430	2,663	1,506	5,514	9,139
Allowance for Other Funds Used During Construction	1,757	0	333	1,576	238	0
Miscellaneous Nonoperating Income	0	5	2	-5	108,667	3,126
Gain on Disposition of Property	157	3,818	0	16	2	51
Total Other Income	3,092	11,747	2,891	9,127	493,791	12,114
Other Income Deductions						
Loss on Disposition of Property	6	128	0	42	0	997
Miscellaneous Amortization	0	234	0	0	0	1,656
Miscellaneous Income Deductions	695	1,923	43	882	33,502	6,977
Total Other Income Deductions	701	2,285	43	925	33,502	9,629
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	18	0	0	0	0	5
Federal Income Taxes	24	3,406	324	144	8,848	-678
Other Income Taxes	8	1,098	68	38	2,537	-49
Provision for Deferred Income Taxes	0	-316	0	0	-25,144	-163
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	-147	-371
(less) Investment Tax Credits	9	0	0	0	0	0
Total Taxes on Other Income and Deductions	50	4,188	392	183	-13,906	-1,256
Net Other Income and Deductions	2,341	5,274	2,456	8,019	474,195	3,740

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa Illinois Gas & Electric Co	Kansas Center Corp	Kansas Kansas Gas & Electric Co
Interest Charges						
Interest on Long-term Debt	28,257	26,864	7,869	29,716	33,334	64,784
Amortization of Debt Discount and Expense	181	426	72	189	375	665
Amortization of Loss on Recaptured Debt	792	305	0	84	700	373
(less) Amortization of Premium on Debt (credit)	7	0	0	2	0	22
(less) Amortization of Gain on Recaptured Debt (credit)	58	11	0	164	0	28
Interest on Debt to Associated Companies	0	6,054	0	0	14,244	0
Other Interest Expense	657	2,145	267	951	1,905	18,446
(less) Allowance for Borrowed Funds Used During Construction (credit)	1,722	332	164	1,357	131	376
Net Interest Charges	28,089	35,451	8,044	29,407	50,427	83,843
Income Before Extraordinary Items	43,238	44,597	20,620	58,544	445,367	47,493
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	117	0
Extraordinary Items After Taxes	0	0	0	0	-117	0
Net Income	43,238	44,597	20,620	58,544	445,250	47,492
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	159,380	41,777	63,939	199,185	583,565	171,298
Balance Transferred from Income	43,160	44,597	20,620	58,544	65,912	47,493
Credits to Retained Earnings	0	0	0	0	836	0
(less) Debits to Retained Earnings	0	0	0	16	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	841	4,520	1,134	2,042	1,149	821
(less) Dividends Declared - Common Stock	36,320	35,358	16,843	43,762	129,258	55,899
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	455,987	0
Retained Earnings - End of Year	165,378	46,496	66,581	211,910	975,892	162,072
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings	0	0	0	0	0	0
Amortization Reserve - Federal	0	0	0	0	0	0
Total Retained Earnings	165,378	46,496	66,581	211,910	975,892	162,072

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Kansas	Kentucky	Kentucky	Kentucky	Kentucky	Kentucky
Item	Kansas Power & Light Co	Kentucky Power Co	Kentucky Utilities Co	Louisville Gas & Electric Co	Ohio Valley Transmission Co	Union Light Heat & Power Co
Electric Utility Operating Income						
Electric Operating Revenues	451,263	278,440	519,918	491,328	931	132,722
Electric Operating Expenses						
Operation Expenses	208,677	154,677	262,447	225,308	11	118,955
Maintenance Expenses	35,318	26,190	46,565	44,435	73	3,635
Depreciation Expenses	50,343	19,729	52,332	44,856	438	3,931
Amortization	17	42	65	3,034	0	0
Taxes Other Than Income Taxes	28,176	5,283	10,307	10,463	135	1,675
Federal Income Taxes	25,880	16,088	23,851	24,033	-27	372
Other Income Taxes	5,545	3,566	4,470	7,872	0	105
Provision for Deferred Income Taxes	15,527	15,558	35,288	13,182	75	708
(less) Provision for Deferred Income Taxes (credit)	13,612	17,517	19,410	7,273	80	779
Investment Tax Credit Adjustments (net)	-3,270	-1,314	-150	6,058	-35	-221
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	352,600	222,302	415,764	371,968	590	128,382
Net Electric Utility Operating Income	98,663	56,138	104,155	119,360	341	4,341
Gas Utility Operating Income						
Gas Operating Revenues	675,280	0	0	185,547	198	59,564
Gas Operating Expenses						
Operation Expenses	563,801	0	0	157,991	98	49,793
Maintenance Expenses	23,014	0	0	7,430	30	2,895
Depreciation Expenses	22,738	0	0	5,900	27	2,193
Amortization	167	0	0	1,004	0	158
Taxes Other Than Income Taxes	34,863	0	0	3,441	15	1,134
Federal Income Taxes	-8,170	0	0	3,754	0	566
Other Income Taxes	-1,296	0	0	890	0	157
Provision for Deferred Income Taxes	29,568	0	0	2,037	0	-198
(less) Provision for Deferred Income Taxes (credit)	15,072	0	0	4,584	0	-2
Investment Tax Credit Adjustments (net)	-978	0	0	-236	0	-74
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	648,635	0	0	177,628	170	56,626
Net Gas Utility Operating Income	26,644	0	0	7,919	27	2,939
Other Utility Operating Income						
Other Utility Operating Revenues	1,080	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	456	0	0	0	0	0
Maintenance Expenses	110	0	0	0	0	0
Depreciation Expenses	39	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	85	0	0	0	0	0
Federal Income Taxes	133	0	0	0	0	0
Other Income Taxes	28	0	0	0	0	0
Provision for Deferred Income Taxes	1	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	1	0	0	0	0	0
Investment Tax Credit Adjustments (net)	-1	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	851	0	0	0	0	0
Net Other Utility Operating Income	229	0	0	0	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
Total Utility Operating Income						
Total Utility Operating Revenues	1,127,622	276,440	519,918	676,875	1,129	192,287
Total Utility Operating Expenses						
Operation Expenses	772,934	154,677	262,447	383,299	110	168,748
Maintenance Expenses	58,442	26,190	46,565	51,865	103	6,530
Depreciation Expense	73,120	19,729	52,332	50,756	465	6,124
Amortization	184	42	65	4,038	0	158
Taxes Other Than Income Taxes	63,123	5,283	10,307	13,904	151	2,808
Federal Income Taxes	17,843	16,088	23,851	27,787	-27	938
Other Income Taxes	4,278	3,566	4,470	8,762	0	262
Provision for Deferred Income Taxes	45,096	15,558	35,288	15,219	75	510
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	28,686	17,517	19,410	11,857	80	777
Investment Tax Credit Adjustments (net)	-4,248	-1,314	-150	5,822	-35	-295
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	1,002,087	222,302	415,764	549,596	761	185,007
Net Utility Operating Income	125,536	56,138	104,155	127,279	368	7,279
Other Income and Deductions						
Other Income						
Nonutility Operating Income	-511	69	1	3	0	-59
Equity in Earnings of Subsidiary Companies	-145	0	3,781	121	0	0
Interest and Dividend Income	3,277	545	13,682	1,437	0	32
Allowance for Other Funds Used						
During Construction	-555	158	35	0	0	67
Miscellaneous Nonoperating Income	17	106	2	394	0	17
Gain on Disposition of Property	746	20	56	17	0	0
Total Other Income	2,430	897	17,557	1,971	0	57
Other Income Deductions						
Loss on Disposition of Property	0	0	2	13	0	0
Miscellaneous Amortization	-377	0	0	0	0	0
Miscellaneous Income Deductions	969	325	2,159	2,219	0	126
Total Other Income Deductions	593	325	2,161	2,232	0	126
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	40	77	4	0	9
Federal Income Taxes	817	-254	3,748	179	0	-56
Other Income Taxes	161	24	911	38	0	-13
Provision for Deferred Income Taxes	0	394	113	0	0	0
(less) Provision for Deferred						
Income Taxes (credit)	0	0	939	434	0	-1
Investment Tax Credit Adjustments (net)	0	-7	0	0	0	0
(less) Investment Tax Credits	0	0	3,953	0	0	0
Total Taxes on Other Income and Deductions	979	198	-43	-214	0	-58
Net Other Income and Deductions	859	375	15,439	-47	0	-11

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Kansas	Kentucky	Kentucky	Kentucky	Kentucky	Kentucky
Item	Kansas Power & Light Co.	Kentucky Power Co.	Kentucky Utilities Co.	Louisville Gas & Electric Co.	Ohio Valley Transmission Co.	Union Light Heat & Power Co.
Interest Charges						
Interest on Long-term Debt	46,378	19,346	35,524	47,000	0	4,272
Amortization of Debt Discount and Expense	825	10	100	512	0	20
Amortization of Loss on Recaptured Debt	0	570	98	294	0	0
(less) Amortization of Premium on Debt (credit)	9	24	60	53	0	3
(less) Amortization of Gain on Recaptured Debt (credit)	0	0	0	3	0	0
Interest on Debt to Associated Companies	0	0	0	0	247	0
Other Interest Expense	7,926	447	845	3,390	0	565
(less) Allowance for Borrowed Funds Used During Construction (credit)	1,503	161	16	0	0	229
Net Interest Charges	53,617	20,188	36,492	51,141	247	4,625
Income Before Extraordinary Items	72,778	36,324	83,101	76,091	121	2,644
Extraordinary Items						
Extraordinary Income	0	0	17,428	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	17,428	0	0	0
(less) Federal and Other Income Taxes	0	0	6,760	0	0	0
Extraordinary Items After Taxes	0	0	10,667	0	0	0
Net Income	72,778	36,324	93,768	76,091	121	2,644
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	344,294	47,760	175,753	177,636	2,191	55,205
Balance Transferred from Income	72,922	36,324	89,987	75,970	121	2,644
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	7	0	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	7	0	0	0
(less) Dividends Declared - Preferred Stock	1,857	0	5,871	9,466	0	0
(less) Dividends Declared - Common Stock	60,836	18,848	52,945	57,407	0	1,456
Unappropriated Undistributed Subsidiary Earnings	0	0	2,270	0	0	0
Retained Earnings - End of Year	354,505	65,236	209,187	186,734	2,312	56,393
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings Amortization Reserve - Federal	0	0	101	0	0	0
Total Retained Earnings	354,505	65,236	209,288	186,734	2,312	56,393

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Louisiana	Louisiana	Louisiana	Louisiana	Maine	Maine
	Central Louisiana Electric Co. Inc.	Louisiana Power & Light Co.	New Orleans Public Service Inc.	Southwestern Electric Power Co.	Bangor Hydro- Electric Co.	Central Maine Power Co.
Electric Utility Operating Income						
Electric Operating Revenues	316,471	1,426,805	980,834	729,996	120,088	685,447
Electric Operating Expenses						
Operation Expenses	151,311	814,483	264,465	403,161	84,212	486,926
Maintenance Expenses	21,467	98,609	15,743	34,570	5,567	34,690
Depreciation Expenses	31,063	124,681	12,693	69,466	4,249	32,087
Amortization	714	2,000	0	0	2,853	9,950
Taxes Other Than Income Taxes	19,912	51,348	21,376	34,392	3,447	17,293
Federal Income Taxes	13,668	10,927	-830	31,910	-209	6,189
Other Income Taxes	2,238	20,287	883	3,547	-623	1,659
Provision for Deferred Income Taxes	7,428	294,269	76,136	13,675	8,854	19,889
(less) Provision for Deferred Income Taxes (credit)	(3,460)	(296,677)	(65,726)	(5,324)	(4,194)	(11,390)
Investment Tax Credit Adjustments (net)	1,497	21,158	366	(5,695)	81	112
(less) Gains from Disposition of Utility Plant	0	0	1,010	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	242,844	1,140,687	343,396	579,702	104,237	597,465
Net Electric Utility Operating Income	73,627	286,118	37,438	150,294	15,851	87,981
Gas Utility Operating Income						
Gas Operating Revenues	0	0	90,515	0	0	0
Gas Operating Expenses						
Operation Expenses	0	0	75,802	0	0	0
Maintenance Expenses	0	0	4,854	0	0	0
Depreciation Expenses	0	0	2,852	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	5,297	0	0	0
Federal Income Taxes	0	0	-85	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	13,324	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	(14,437)	0	0	0
Investment Tax Credit Adjustments (net)	0	0	79	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	87,705	0	0	0
Net Gas Utility Operating Income	0	0	2,810	0	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	2	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expenses	0	0	0	135	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	135	0	0
Net Other Utility Operating Income	0	2	0	(135)	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Louisiana	Louisiana	Louisiana	Louisiana	Maine	Maine
Item	Central Louisiana Electric Co. Inc.	Louisiana Power & Light Co.	New Orleans Public Service Inc.	Southwestern Electric Power Co.	Bangor Hydro- Electric Co.	Central Maine Power Co.
Total Utility Operating Income						
Total Utility Operating Revenues	316,471	1,426,876	471,349	729,996	120,088	685,447
Total Utility Operating Expenses						
Operation Expenses	151,311	814,483	360,266	403,161	84,212	486,926
Maintenance Expenses	21,467	98,609	19,897	34,570	5,567	34,690
Depreciation Expense	31,063	124,681	15,546	69,601	4,249	32,087
Amortization	714	2,000	0	0	2,853	9,950
Taxes Other Than Income Taxes	19,912	51,348	26,673	34,392	3,447	17,293
Federal Income Taxes	13,668	10,927	895	31,910	209	6,189
Other Income Taxes	2,238	20,287	883	3,547	620	1,659
Provision for Deferred Income Taxes	7,426	294,269	89,459	13,675	8,854	19,889
(less) Provision for Deferred Income Taxes Income Taxes (credit)	3,460	296,877	80,163	5,324	4,194	11,390
Investment Tax Credit Adjustments (net)	1,497	21,158	444	-5,695	81	172
(less) Gains from Disposition of Utility Plant	0	0	1,010	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	242,844	1,140,687	431,101	579,838	104,237	597,465
Net Utility Operating Income	73,627	286,189	40,248	150,158	15,851	87,981
Other Income and Deductions						
Other Income						
Nonutility Operating Income	10	144	0	-5	0	13
Equity in Earnings of Subsidiary Companies	0	0	0	-79	920	6,420
Interest and Dividend Income	1,344	26,136	2,210	2,991	543	927
Allowance for Other Funds Used						
During Construction	0	1,595	28	163	373	1,681
Miscellaneous Nonoperating Income	735	130	0	26	1,819	2,538
Gain on Disposition of Property	2	59	521	1,533	0	76
Total Other Income	2,071	28,064	2,760	4,630	3,655	11,656
Other Income Deductions						
Loss on Disposition of Property	0	0	0	6	0	30
Miscellaneous Amortization	9	200	0	-416	1	23
Miscellaneous Income Deductions	1,423	5,689	254	637	184	424
Total Other Income Deductions	1,432	5,889	254	1,059	185	478
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	0	0	0	8	130
Federal Income Taxes	47	1,708	830	1,380	787	28
Other Income Taxes	17	437	30	76	229	8
Provision for Deferred Income Taxes	8	12,117	0	0	0	496
(less) Provision for Deferred Income Taxes (credit)	0	1,870	0	0	0	147
Investment Tax Credit Adjustments (net)	0	-336	0	0	0	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	72	7,966	860	-1,304	1,024	442
Net Other Income and Deductions	567	14,209	1,645	4,875	2,446	10,738

See endnotes at end of individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Louisiana Central Louisiana Electric Co. Inc.	Louisiana Louisiana Power & Light Co.	Louisiana New Orleans Public Service Inc.	Louisiana Southwestern Electric Power Co.	Maine Bangor Hydro Electric Co.	Maine Central Maine Power Co.
Interest Charges						
Interest on Long-term Debt	27,253	181,040	24,472	54,037	6,487	42,610
Amortization of Debt Discount and Expense	272	1,571	595	375	234	436
Amortization of Loss on Recaptured Debt	519	780	0	1,295	0	3,283
(less) Amortization of Premium on Debt (credit)	14	87	16	2	0	0
(less) Amortization of Gain on Recaptured Debt (credit)	0	0	0	120	0	0
Interest on Debt to Associated Companies	0	0	274	961	0	72
Other Interest Expense	5,766	11,321	2,148	1,519	1,210	5,434
(less) Allowance for Borrowed Funds Used During Construction (credit)	1,166	1,109	44	199	410	1,690
Net Interest Charges	32,645	193,516	27,430	57,816	9,321	50,146
Income Before Extraordinary Items	41,549	106,613	14,464	97,217	6,777	48,573
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	41,549	106,613	14,464	97,217	6,777	48,573
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	94,970	49,265	-2,884	259,153	15,374	77,897
Balance Transferred from Income	41,549	106,613	14,464	97,295	7,857	42,153
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	11,989	23	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	2,486
(less) Dividends Declared - Preferred Stock	1,666	36,910	2,675	3,526	266	9,172
(less) Dividends Declared - Common Stock	27,078	69,216	0	93,600	5,252	37,255
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	770	5,882
Retained Earnings - End of Year	107,775	37,762	8,883	259,320	18,483	83,018
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve, Federal	0	0	0	0	426	3,480
Total Retained Earnings	107,775	37,762	8,883	259,320	18,909	86,498

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Maine	Maine	Maine	Maryland	Maryland	Massachusetts
	Maine Electric Power Co. Inc.	Maine Public Service Co.	Maine Yankee Atomic Power Co.	Baltimore Gas & Electric Co.	Potomac Edison Co.	Boston Edison Co.
Electric Utility Operating Income						
Electric Operating Revenues	20,624	57,131	158,412	1,519,294	689,425	1,269,345
Electric Operating Expenses						
Operation Expenses	18,797	38,657	95,342	735,066	448,490	761,191
Maintenance Expenses	283	1,443	10,123	135,717	46,837	101,297
Depreciation Expenses	952	1,608	22,124	133,144	44,342	112,081
Amortization	38	3,292	23	2,591	297	33,060
Taxes Other Than Income Taxes	237	0	8,577	124,705	36,483	56,971
Federal Income Taxes	117	483	1,939	-8,462	29,753	36,101
Other Income Taxes	30	89	1,162	-53	2,224	7,659
Provision for Deferred Income Taxes	-12	6,327	4,475	151,360	17,492	-11,959
Less: Provision for Deferred Income Taxes (credit)	-154	3,365	9,292	61,010	19,645	-2,066
Investment Tax Credit Adjustments (net)	-27	110	288	-1,064	-2,147	-4,232
Less: Gains from Disposition of Utility Plant	0	0	0	844	0	8,910
Losses from Disposition of Utility Plant	0	0	0	8	0	0
Total Electric Operating Expenses	20,261	48,645	134,762	1,211,158	604,126	1,085,323
Net Electric Utility Operating Income	362	8,486	23,650	308,136	85,300	184,022
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	411,800	0	0
Gas Operating Expenses						
Operation Expenses	0	0	0	302,408	0	0
Maintenance Expenses	0	0	0	12,898	0	0
Depreciation Expenses	0	0	0	15,814	0	0
Amortization	0	0	0	355	0	0
Taxes Other Than Income Taxes	0	0	0	25,095	0	0
Federal Income Taxes	0	0	0	8,402	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	22,164	0	0
Less: Provision for Deferred Income Taxes (credit)	0	0	0	17,345	0	0
Investment Tax Credit Adjustments (net)	0	0	0	-335	0	0
Less: Gains from Disposition of Utility Plant	0	0	0	302	0	0
Losses from Disposition of Utility Plant	0	0	0	2	0	0
Total Gas Operating Expenses	0	0	0	369,157	0	0
Net Gas Utility Operating Income	0	0	0	42,643	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
Less: Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
Less: Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See addnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Maine	Maine	Maine	Maryland	Maryland	Massachusetts
Item	Maine Electric Power Co. Inc.	Maine Public Service Co.	Maine Hancock Atomic Power Co.	Baltimore Gas & Electric Co.	Potomac Electric Co.	Boston Edison Co.
Total Utility Operating Income						
Total Utility Operating Revenues	27,828	97,131	158,812	1,931,344	689,425	1,269,345
Total Utility Operating Expenses						
Operation Expenses	19,191	58,837	48,342	1,037,474	448,490	761,191
Maintenance Expenses	283	1,343	55,773	148,611	48,817	101,297
Depreciation Expense	952	1,408	22,124	148,958	44,342	112,081
Amortization	36	1,292	23	2,348	297	33,060
Taxes Other Than Income Taxes	2,677	0	8,577	144,800	36,483	56,971
Federal Income Taxes	117	483	1,419	46	29,753	36,171
Other Income Taxes	30	89	1,762	53	2,224	1,659
Provision for Deferred Income Taxes	12	8,527	4,475	173,525	17,492	11,959
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	154	1,985	4,292	78,355	19,645	12,066
Investment Tax Credit Adjustments (net)	27	1,100	288	1,009	2,147	4,232
(less) Gains from Disposition of Utility Plant	0	0	0	1,146	0	8,910
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	20,261	68,645	134,762	1,580,315	604,126	1,085,323
Net Utility Operating Income	362	8,486	23,650	350,779	85,300	184,022
Other Income and Deductions						
Other Income						
Nonutility Operating Income	19	2	1	4,834	26	70
Equity in Earnings of Subsidiary Companies	0	935	0	24,626	1,509	1,692
Interest and Dividend Income	127	84	2,828	12,594	27,547	1,468
Allowance for Other Funds Used						
During Construction	0	273	101	18,564	1,296	1,362
Miscellaneous Nonoperating Income	0	0	0	34	893	5,796
Gain on Disposition of Property	0	0	0	1,081	14	206
Total Other Income	126	1,294	2,929	52,066	26,267	10,593
Other Income Deductions						
Loss on Disposition of Property	0	0	0	4	2	17
Miscellaneous Amortization	0	12	0	0	0	0
Miscellaneous Income Deductions	0	94	455	3,073	185	357
Total Other Income Deductions	0	106	455	3,077	187	374
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	3	0	93	34	152
Federal Income Taxes	0	42	-117	4,212	2,211	883
Other Income Taxes	0	11	34	1,175	219	181
Provision for Deferred Income Taxes	0	52	0	22	226	-70,270
(less) Provision for Deferred						
Income Taxes (credit)	0	103	0	2,909	2,133	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	0	5	-151	2,593	557	-69,055
Net Other Income and Deductions	126	1,182	2,625	46,395	25,524	79,273

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Maine Maine Electric Power Co. Inc.	Maine Maine Public Service Co.	Maine Maine Yankee Atomic Power Co.	Maryland Baltimore Gas & Electric Co.	Maryland Potsdam Edison Co.	Massachusetts Boston Edison Co.
Interest Charges						
Interest on Long-term Debt	439	3,601	16,176	123,083	26,565	90,165
Amortization of Debt Discount and Expense	3	344	47	1,007	187	665
Amortization of Loss on Rearranged Debt	7	0	5	2,007	0	905
(less) Amortization of Premium on Debt (credit)	0	0	1	41	44	61
(less) Amortization of Gain on						
Required Debt (credit)	59	0	541	310	0	0
Interest on Debt to Associated Companies	0	0	0	0	0	0
Other Interest Expense	7	325	1,655	9,915	2,097	18,219
(less) Allowance for Borrowed Funds						
Used During Construction (credit)	0	8	96	14,777	1,085	9,112
Net Interest Charges	385	4,262	17,255	120,884	27,720	100,781
Income Before Extraordinary Items	106	5,405	9,021	276,291	83,104	162,514
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	178,650
Net Extraordinary Items	0	0	0	0	0	-178,650
Income Before and Other Income, Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	-178,650
Net Income	106	5,405	9,021	276,291	83,104	-16,136
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	0	24,563	193	967,722	116,861	237,551
Balance Transferred from Income	106	4,998	9,021	251,665	73,187	17,828
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	0	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	0	355	559	32,381	6,480	17,653
(less) Dividends Declared - Common Stock	106	2,938	8,525	166,067	45,107	66,829
Unappropriated Undistributed Subsidiary						
Earnings	0	0	0	5,142	0	1,352
Retained Earnings - End of Year	0	26,178	130	1,026,081	138,460	136,594
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings	0	0	0	0	39	0
Amortization Reserve, Federal						
Total Retained Earnings	0	26,178	130	1,026,081	138,500	136,594

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts
Item	Cambridge Electric Light Co.	Canal Electric Co.	Commonwealth Electric Co.	Eastern Edison Co.	Fitchburg Gas & Electric Light Co.	Holyoke Water Power Co.
Electric Utility Operating Income						
Electric Operating Revenues	98,519	223,652	349,211	235,216	38,458	17,927
Electric Operating Expenses						
Operation Expense	85,447	172,404	281,304	205,844	23,651	3,916
Maintenance Expense	3,318	16,140	16,844	4,920	1,391	5,075
Depreciation Expense	2,903	6,502	12,618	7,485	1,571	1,662
Amortization	0	2,193	39	0	925	0
Taxes Other Than Income Taxes	2,096	2,683	6,580	2,804	1,221	1,070
Federal Income Taxes	-249	4,068	1,596	5,074	97	1,227
Other Income Taxes	32	863	-92	892	0	451
Provision for Deferred Income Taxes	2,334	3,531	14,015	-284	2,319	11
(less) Provision for Deferred Income Taxes (credit)	1,743	2,709	5,888	2,808	84	278
Investment Tax Credit Adjustments (net)	-95	-296	-325	-247	-74	121
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	94,043	205,349	323,498	223,680	31,017	13,012
Net Electric Utility Operating Income	4,475	18,304	25,703	11,536	7,441	4,915
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	0	18,756	0
Gas Operating Expenses						
Operation Expenses	0	0	0	0	14,897	0
Maintenance Expenses	0	0	0	0	679	0
Depreciation Expenses	0	0	0	0	570	0
Amortization	0	0	0	0	1	0
Taxes Other Than Income Taxes	0	0	0	0	316	0
Federal Income Taxes	0	0	0	0	54	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	903	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	24	0
Investment Tax Credit Adjustments (net)	0	0	0	0	35	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	0	16,760	0
Net Gas Utility Operating Income	0	0	0	0	1,996	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts
	Lambridge Electric Light Co.	Canal Electric Co.	Commonwealth Electric Co.	Eastern Edison Co.	Fitchburg Gas & Electric Light Co.	Holyoke Water Power Co.
Total Utility Operating Income						
Total Utility Operating Revenue	98,513	223,652	344,203	235,216	57,214	17,927
Total Utility Operating Expenses						
Operating Expenses	85,847	172,404	281,304	205,844	38,548	3,916
Maintenance Expenses	3,318	16,140	16,844	4,920	2,070	5,075
Depreciation Expense	2,903	5,502	12,618	2,485	2,141	1,662
Amortization	0	2,103	39	0	926	0
Taxes Other Than Income Taxes	2,096	2,887	6,580	2,804	1,537	1,070
Federal Income Taxes	247	1,368	1,506	5,074	151	1,227
Other Income Taxes	0	863	92	892	0	451
Provision for Deferred Income Taxes	3,334	8,531	14,011	284	2,622	11
Goodwill Provision for Deferred Income Taxes						
Income Taxes (credit)	1,143	2,709	5,888	2,808	108	278
Investment Tax Credit Adjustments (net)	0	-236	-325	-247	109	-121
Less: Gains from Disposition of Utility Plant	0	0	0	0	0	0
Less: Loss from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	94,043	205,349	323,498	223,680	47,777	13,012
Net Utility Operating Income	4,475	18,304	25,703	11,536	9,437	4,915
Other Income and Deductions						
Other Income						
Nonutility Operating Income	516	0	0	0	26	262
Equity in Earnings of Subsidiary Companies	1,284	0	0	29,482	0	156
Interest and Dividend Income	987	180	143	22,391	169	341
Revenues for Other Fundraising						
During Construction	143	5,405	0	0	0	47
Maintenance Nonoperating Income	19	830	48	0	1	1
Gain on Disposition of Property	0	0	0	50	0	0
Total Other Income	945	6,415	196	51,928	144	495
Other Income Deductions						
Loss on Disposition of Property	0	0	0	0	0	0
Miscellaneous Amortization	0	0	0	1,133	2	0
Miscellaneous Income Deductions	152	1,119	1,120	122	34	64
Total Other Income Deductions	152	1,119	1,120	1,255	36	64
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	210	1	6	0	0	178
Federal Income Taxes	261	62	-317	-507	0	43
Other Income Taxes	41	13	-65	-82	0	18
Provision for Deferred Income Taxes	182	320	2	0	0	0
Less: Provision for Deferred						
Income Taxes (credit)	195	439	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
Less: Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	439	-43	-374	-589	0	240
Net Other Income and Deductions	355	5,341	-550	51,261	108	191

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts Cambridge Electric Light Co.	Massachusetts Cape Cod Co.	Massachusetts Commonwealth Electric Co.	Massachusetts Eastern Edison Co.	Massachusetts Fitchburg Gas & Electric Light Co.	Massachusetts Holyoke Water Power Co.
Interest Charges:						
Interest on Long-Term Debt	2,776	14,675	10,351	25,679	4,193	1,687
Amortization of Capital Leasehold and Expense	35	32	83	590	380	40
Amortization of Loss on Prepaid Debt	14	0	0	0	0	0
Other Amortization of Premium on Debt (credit)	0	0	0	0	0	0
Other Amortization of Expense	0	0	0	0	0	0
Regulated Debt (credit)	0	0	0	0	0	0
Interest on Debt to Associated Companies	0	147	1,206	0	0	0
Other Interest Expense	1,471	4,563	6,648	1,698	726	35
Other Amortization of Other Funds	1,063	1,443	1,200	264	0	27
Other Selling Construction (credit)	2,919	9,794	13,939	27,696	5,599	1,735
Net Interest Charges						
	1,911	13,850	11,214	35,101	3,945	3,371
Income Before Extraordinary Items						
	1,911	13,850	11,214	35,101	3,945	3,371
Extraordinary Items:						
Extraordinary Income	0	0	0	0	1,174	0
Less: Extraordinary Deductions	0	0	0	0	2,343	0
Net Extraordinary Items						
	0	0	0	0	-969	0
Less: Federal and Other Income Taxes	0	0	0	0	166	0
Extraordinary Items After Taxes						
	0	0	0	0	-803	0
Net Income						
	1,911	13,850	11,214	35,101	3,142	3,371
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	-1,386	57,586	7,105	23,968	9,491	11,017
Balance - Transferred from Income	467	1,640	11,206	15,916	1,142	3,527
Less: Credits to Retained Earnings	1,349	0	0	0	0	0
Less: Credits to Contained Earnings	0	0	0	0	0	0
Less: Appropriation of Retained Earnings	0	0	0	0	0	0
Less: Dividends Declared - Preferred Stock	0	0	0	0	0	0
Less: Dividends Declared - Common Stock	1,404	0	4,543	28,954	2,490	2,226
Appropriation - Consolidated Subsidiary	0	0	0	0	0	0
Retained Earnings - End of Year						
	-1,284	71,437	8,765	7,086	9,932	12,318
Appropriated Retained Earnings	4,506	0	5,225	0	0	0
Appropriated Retained Earnings	0	0	0	0	0	0
Amortization Reserve - Federal	0	0	0	0	0	0
Total Retained Earnings						
	3,216	71,437	13,990	7,086	9,932	12,318

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 - Annual Report of Major Electric Utilities, Licensees and Others.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Michigan
Item	Massachusetts Electric Co.	Montauk Electric Co.	New England Power Co.	Western Massachusetts Electric Co.	Yankee Atomic Electric Co.	Consumers Power Co.
Electric Utility Operating Income						
Electric Operating Revenues	1,118,337	297,890	1,198,435	335,281	68,433	1,722,127
Electric Operating Expenses						
Operation Expenses	989,903	214,288	720,342	148,981	47,398	866,355
Maintenance Expenses	28,128	9,534	70,792	37,710	2,466	131,689
Depreciation Expenses	33,200	9,792	59,268	36,104	11,261	133,427
Amortization	0	1,746	53,744	21,231	0	1,569
Taxes Other Than Income Taxes	17,337	4,200	48,139	14,628	1,504	123,397
Federal Income Taxes	5,668	9,445	45,118	9,684	3,136	141,822
Other Income Taxes	0	1,933	0	2,271	0	0
Provision for Deferred Income Taxes	14,656	4,641	28,936	23,593	0	76,656
(less) Provision for Deferred Income Taxes (credit)	15,094	1,958	18,794	13,236	1,625	115,703
Investment Tax Credit Adjustments (net)	1,412	154	950	1,168	522	3,975
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	3
Losses from Disposition of Utility Plant	0	0	0	0	0	10
Total Electric Operating Expenses	1,081,786	253,465	1,008,495	279,798	63,618	1,383,203
Net Electric Utility Operating Income	36,551	44,425	189,941	55,483	4,815	338,925
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	0	0	1,191,759
Gas Operating Expenses						
Operation Expenses	0	0	0	0	0	904,979
Maintenance Expenses	0	0	0	0	0	24,632
Depreciation Expenses	0	0	0	0	0	49,514
Amortization	0	0	0	0	0	975
Taxes Other Than Income Taxes	0	0	0	0	0	51,707
Federal Income Taxes	0	0	0	0	0	51,795
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	24,611
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	33,670
Investment Tax Credit Adjustments (net)	0	0	0	0	0	223
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	0	0	1,074,766
Net Gas Utility Operating Income	0	0	0	0	0	116,993
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	35,521	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	32,999	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	1,735	0
Federal Income Taxes	0	0	0	0	215	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	34,949	0
Net Other Utility Operating Income	0	0	0	0	571	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts Massachusetts Electric Co	Massachusetts Montaup Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
Total Utility Operating Income						
Total Utility Operating Revenues	1 118 337	297 890	1 198 435	335 281	103 954	2 913 886
Total Utility Operating Expenses						
Operation Expenses	999 303	214 286	720 342	148 981	80 397	1 791 344
Maintenance Expenses	28 128	9 534	70 792	37 710	2 466	156 321
Depreciation Expense	33 200	8 792	59 268	36 104	11 361	182 941
Amortization	0	1 746	"	21 231	0	2 544
Taxes Other Than Income Taxes	17 337	4 200	48 131	14 628	3 239	175 103
Federal Income Taxes	5 668	9 445	45 118	9 684	3 350	193 617
Other Income Taxes	0	1 933	0	2 271	0	0
Provision for Deferred Income Taxes	14 656	4 641	28 936	23 593	0	101 268
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	15 094	1 958	18 794	13 236	1 625	149 373
Investment Tax Credit Adjustments (net)	-1 412	-154	950	-1 168	-522	4 198
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	3
Losses from Disposition of Utility Plant	0	0	0	0	0	10
Total Utility Operating Expenses	1 081 786	253 465	1 008 495	279 798	98 567	2 457 968
Net Utility Operating Income	36 551	44 425	189 941	55 483	5 387	455 918
Other Income and Deductions						
Other Income						
Nonutility Operating Income	6	0	229	34	0	945
Equity in Earnings of Subsidiary Companies	0	1 662	6 288	2 037	0	1 350
Interest and Dividend Income	65	695	3 322	671	18	14 493
Allowance for Other Funds Used						
During Construction	0	4 785	1 735	62	0	0
Miscellaneous Nonoperating Income	0	"	2 710	15 818	9	82 548
Gain on Disposition of Property	0	72	0	103	0	685
Total Other Income	71	7 215	14 283	16 726	-10	100 021
Other Income Deductions						
Loss on Disposition of Property	0	0	0	1 420	0	33
Miscellaneous Amortization	0	0	0	262	0	0
Miscellaneous Income Deductions	661	142	1 287	670	57	15 968
Total Other Income Deductions	661	142	1 287	2 352	57	16 001
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	246	0	551	24	0	-115
Federal Income Taxes	-270	414	951	-5 258	-40	-169 284
Other Income Taxes	0	98	0	-1 110	-8	0
Provision for Deferred Income Taxes	0	0	1 969	802	0	198 481
(less) Provision for Deferred						
Income Taxes (credit)	0	0	559	91	0	1 128
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	-24	512	2 912	-5 632	-48	27 954
Net Other Income and Deductions	-566	6 561	10 084	22 006	-13	56 066

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts Electric Co.	Massachusetts Montauk Electric Co.	Massachusetts New England Power Co.	Massachusetts Western Massachusetts Electric Co.	Massachusetts Yankee Atomic Electric Co.	Michigan Consumers Power Co.
Interest Charges						
Interest on Long-Term Debt	17,446	22,445	45,368	36,451	2,349	117,571
Amortization of Debt Premium and Expense	66	126	146	200	0	3,271
Amortization of Loss on Recaptured Debt	124	0	909	333	0	0
Less: Amortization of Premium on Debt (credit)	35	0	70	25	0	112
Less: Amortization of Gain on Required Debt (credit)	0	0	0	2	0	0
Interest on Debt to Associated Companies	1,086	0	482	229	0	370
Other Interest Expense	5,953	5,633	8,571	3,024	729	38,524
Less: Allowance for Borrowed Funds Used During Construction (credit)	547	6,700	3,744	1,298	156	266
Net Interest Charges	21,974	21,504	69,363	38,912	2,922	159,858
Income Before Extraordinary Items	14,011	29,482	130,662	38,578	2,447	352,126
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
Less: Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
Income Before and After Extraordinary Items	14,011	29,482	130,662	38,578	2,447	352,126
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	14,011	29,482	130,662	38,578	2,447	352,126
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	76,290	63,745	117,306	96,518	5,656	167,034
Balance Transferred from Income	14,531	27,620	124,374	36,541	2,447	350,775
Less: Credits to Retained Earnings	0	0	0	0	0	0
Less: Debits to Retained Earnings	0	0	0	0	0	0
Less: Appropriations of Retained Earnings	0	0	1,237	0	0	0
Less: Dividends Declared - Preferred Stock	3,426	182	5,591	9,244	0	18,421
Less: Dividends Declared - Common Stock	11,991	10,116	79,011	28,974	2,424	0
Unappropriated (Unabsorbed) Subsidiary Earnings	0	1,075	5,573	1,702	0	2,501
Retained Earnings - End of Year	76,882	82,343	161,414	96,542	5,681	501,889
Appropriated Retained Earnings	4,637	0	0	0	0	0
Appropriated Retained Earnings Amortization Reserve - Federal	0	0	6,853	880	0	374
Total Retained Earnings	81,520	82,343	168,267	99,422	5,681	502,263

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Michigan Detroit Edison Co.	Michigan Edison South Electric Co.	Michigan Michigan Power Corp.	Michigan Upper Peninsula Power Corp.	Minnesota Minnesota Power & Light Co.	Minnesota Northern States Power Corp.
Electric Utility Operating Income						
Electric Operating Revenues	3,168,110	27,815	48,505	56,080	881,502	1,568,118
Electric Operating Expenses						
Operation Expenses	1,448,560	16,334	37,053	33,548	228,300	797,668
Maintenance Expenses	288,514	0	4,252	3,761	20,641	121,451
Depreciation Expenses	367,687	1,710	7,858	4,424	29,305	167,990
Amortization	38,106	142	1	143	244	1,993
Taxes Other Than Income Taxes	272,118	308	1,036	4,182	31,383	150,642
Federal Income Taxes	82,213	388	688	2,382	5,994	68,118
Other Income Taxes	0	0	0	0	1,411	19,626
Provision for Deferred Income Taxes	712,297	787	5,123	1,652	12,503	80,868
(less) Provision for Deferred						
Income Taxes (credit)	178,035	753	995	828	21,44	11,626
Investment Tax Credit Adjustments (net)	14,212	0	147	183	1,516	9,302
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	20	0	0	0	0	0
Total Electric Operating Expenses	2,421,978	22,744	42,938	49,521	324,427	1,327,829
Net Electric Utility Operating Income	746,032	3,070	3,567	6,559	57,075	238,689
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	0	0	269,713
Gas Operating Expenses						
Operation Expenses	0	0	0	0	0	211,150
Maintenance Expenses	0	0	0	0	0	7,524
Depreciation Expenses	0	0	0	0	0	11,223
Amortization	0	0	0	0	0	125
Taxes Other Than Income Taxes	0	0	0	0	0	15,298
Federal Income Taxes	0	0	0	0	0	6,729
Other Income Taxes	0	0	0	0	0	1,914
Provision for Deferred Income Taxes	0	0	0	0	0	8,245
(less) Provision for Deferred						
Income Taxes (credit)	0	0	0	0	0	11,278
Investment Tax Credit Adjustments (net)	0	0	0	0	0	430
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	0	0	270,499
Net Gas Utility Operating Income	0	0	0	0	0	19,213
Other Utility Operating Income						
Other Utility Operating Revenues	31,518	0	0	0	0	11,143
Other Utility Operating Expenses						
Operation Expenses	23,258	0	0	0	0	2,926
Maintenance Expenses	4,848	0	0	0	0	904
Depreciation Expenses	1,550	0	0	0	0	2,605
Amortization	0	0	0	0	0	8
Taxes Other Than Income Taxes	2,138	0	0	0	0	430
Federal Income Taxes	471	0	0	0	0	809
Other Income Taxes	0	0	0	0	0	259
Provision for Deferred Income Taxes	530	0	0	0	0	239
(less) Provision for Deferred						
Income Taxes (credit)	859	0	0	0	0	338
Investment Tax Credit Adjustments (net)	44	0	0	0	0	-100
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	30,948	0	0	0	0	7,742
Net Other Utility Operating Income	628	0	0	0	0	3,401

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Michigan Detroit Edison Co.	Michigan Edison Sault Electric Co.	Michigan Michigan Power Co.	Michigan Upper Peninsula Power Co.	Minnesota Minnesota Power & Light Co.	Minnesota Northern States Power Co.
Total Utility Operating Income						
Total Utility Operating Revenues	3,199,585	25,815	46,525	56,080	381,502	1,847,311
Total Utility Operating Expenses:						
Operation Expenses	1,471,818	16,934	37,055	34,588	228,300	1,011,743
Maintenance Expenses	291,365	1,902	2,262	3,761	22,541	129,879
Depreciation Expense	363,237	1,630	1,895	4,424	29,005	181,817
Amortization	28,106	133	1	143	744	2,126
Taxes Other Than Income Taxes	224,514	1,455	1,396	4,182	2,983	166,371
Federal Income Taxes	61,743	686	146	2,362	5,904	76,056
Other Income Taxes	0	0	0	0	1,411	21,799
Provision for Deferred Income Taxes	172,820	781	1,123	1,052	12,503	89,352
(less) Provision for Deferred Income Taxes Income Taxes (credit)	119,214	703	995	828	7,044	83,241
Investment Tax Credit Adjustments (net)	14,329	73	147	183	1,518	9,832
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	20	0	0	0	0	0
Total Utility Operating Expenses	2,452,926	22,744	42,938	49,521	324,427	1,586,070
Net Utility Operating Income	746,659	3,070	3,587	6,559	57,075	261,304
Other Income and Deductions:						
Other Income:						
Nonutility Operating Income	196	2	1	18	1,289	5,178
Equity in Earnings of Subsidiary Companies	1,266	0	0	0	43,706	37,288
Interest and Dividend Income	4,847	43	236	70	20,069	8,040
Allowance for Other Funds Used During Construction	0	0	9	3	82	3,270
Miscellaneous Nonoperating Income	157,706	0	55	18	6,667	3,816
Gain on Disposition of Property	837	31	0	1	11,125	55
Total Other Income	161,618	102	293	111	58,109	58,046
Other Income Deductions:						
Loss on Disposition of Property	85	0	0	3	0	126
Miscellaneous Amortization	0	0	0	0	45	0
Miscellaneous Income Deductions	3,962	59	46	73	809	3,845
Total Other Income Deductions	3,448	59	46	76	855	3,971
Taxes to Other Income and Deductions:						
Taxes Other Than Income Taxes	245	-5	3	197	726	716
Federal Income Taxes	-2,115	2	439	-25	-3,231	5,557
Other Income Taxes	0	0	0	0	-508	1,655
Provision for Deferred Income Taxes	40,767	0	22	0	4,301	-7,781
(less) Provision for Deferred Income Taxes (credit)	22,539	6	24	0	9,232	-569
Investment Tax Credit Adjustments (net)	0	0	-1	0	0	35
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	16,358	-9	440	81	-7,943	752
Net Other Income and Deductions	141,813	52	-193	-46	65,198	53,323

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Michigan Detroit Edison Co.	Michigan Edison Sault Electric Co.	Michigan Michigan Power Co.	Michigan Upper Peninsula Power Co.	Minnesota Minnesota Power & Light Co.	Minnesota Northern States Power Co.
Interest Charges						
Interest on Long-term Debt	440,974	1,085	1,107	2,381	31,116	43,281
Amortization of Debt Discount and Expense	4,296	15	35	20	343	930
Amortization of Loss on Recaptured Debt	112	0	35	0	315	622
(less) Amortization of Premium on Debt (credit)	52	0	35	0	0	108
(less) Amortization of Gain on Recaptured Debt (credit)	96	0	0	0	0	0
Interest on Debt to Associated Companies	0	0	0	0	0	127
Other Interest Expense	20,960	204	222	172	1,590	442
(less) Allowance for Borrowed Funds Used During Construction (credit)	1,740	0	27	18	15	2,823
Net Interest Charges	462,521	1,600	1,301	2,491	33,408	92,670
Income Before Extraordinary Items	425,951	1,522	2,092	4,021	88,864	221,957
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	425,951	1,522	2,092	4,021	88,864	221,957
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	261,830	3,571	3,744	10,864	210,353	786,447
Balance Transferred from Income	427,218	1,522	2,092	4,021	45,159	184,169
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	556	0	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	19	0	0	0
(less) Dividends Declared - Preferred Stock	36,945	0	0	251	4,724	19,349
(less) Dividends Declared - Common Stock	246,661	1,026	1,488	3,545	51,707	137,278
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	1,600	18,274
Retained Earnings - End of Year	424,880	4,067	4,368	11,089	200,680	832,754
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings	0	0	0	0	0	0
Amortization Reserve - Federal	0	0	20	33	0	67
Total Retained Earnings	404,880	4,067	4,388	11,123	200,680	832,821

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Minnesota Total Electric Utility	Mississippi Mississippi Power & Light	Mississippi Mississippi Power	Mississippi System Energy Resources	Missouri Empire District Electric Co.	Missouri Kansas City Power & Light Co.
Income: 1989, 1988, 1987, 1986, 1985, 1984, 1983, 1982, 1981, 1980, 1979, 1978, 1977, 1976, 1975, 1974, 1973, 1972, 1971, 1970, 1969, 1968, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1959, 1958, 1957, 1956, 1955, 1954, 1953, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1943, 1942, 1941, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1922, 1921, 1920, 1919, 1918, 1917, 1916, 1915, 1914, 1913, 1912, 1911, 1910, 1909, 1908, 1907, 1906, 1905, 1904, 1903, 1902, 1901, 1900, 1899, 1898, 1897, 1896, 1895, 1894, 1893, 1892, 1891, 1890, 1889, 1888, 1887, 1886, 1885, 1884, 1883, 1882, 1881, 1880, 1879, 1878, 1877, 1876, 1875, 1874, 1873, 1872, 1871, 1870, 1869, 1868, 1867, 1866, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1857, 1856, 1855, 1854, 1853, 1852, 1851, 1850, 1849, 1848, 1847, 1846, 1845, 1844, 1843, 1842, 1841, 1840, 1839, 1838, 1837, 1836, 1835, 1834, 1833, 1832, 1831, 1830, 1829, 1828, 1827, 1826, 1825, 1824, 1823, 1822, 1821, 1820, 1819, 1818, 1817, 1816, 1815, 1814, 1813, 1812, 1811, 1810, 1809, 1808, 1807, 1806, 1805, 1804, 1803, 1802, 1801, 1800, 1799, 1798, 1797, 1796, 1795, 1794, 1793, 1792, 1791, 1790, 1789, 1788, 1787, 1786, 1785, 1784, 1783, 1782, 1781, 1780, 1779, 1778, 1777, 1776, 1775, 1774, 1773, 1772, 1771, 1770, 1769, 1768, 1767, 1766, 1765, 1764, 1763, 1762, 1761, 1760, 1759, 1758, 1757, 1756, 1755, 1754, 1753, 1752, 1751, 1750, 1749, 1748, 1747, 1746, 1745, 1744, 1743, 1742, 1741, 1740, 1739, 1738, 1737, 1736, 1735, 1734, 1733, 1732, 1731, 1730, 1729, 1728, 1727, 1726, 1725, 1724, 1723, 1722, 1721, 1720, 1719, 1718, 1717, 1716, 1715, 1714, 1713, 1712, 1711, 1710, 1709, 1708, 1707, 1706, 1705, 1704, 1703, 1702, 1701, 1700, 1699, 1698, 1697, 1696, 1695, 1694, 1693, 1692, 1691, 1690, 1689, 1688, 1687, 1686, 1685, 1684, 1683, 1682, 1681, 1680, 1679, 1678, 1677, 1676, 1675, 1674, 1673, 1672, 1671, 1670, 1669, 1668, 1667, 1666, 1665, 1664, 1663, 1662, 1661, 1660, 1659, 1658, 1657, 1656, 1655, 1654, 1653, 1652, 1651, 1650, 1649, 1648, 1647, 1646, 1645, 1644, 1643, 1642, 1641, 1640, 1639, 1638, 1637, 1636, 1635, 1634, 1633, 1632, 1631, 1630, 1629, 1628, 1627, 1626, 1625, 1624, 1623, 1622, 1621, 1620, 1619, 1618, 1617, 1616, 1615, 1614, 1613, 1612, 1611, 1610, 1609, 1608, 1607, 1606, 1605, 1604, 1603, 1602, 1601, 1600, 1599, 1598, 1597, 1596, 1595, 1594, 1593, 1592, 1591, 1590, 1589, 1588, 1587, 1586, 1585, 1584, 1583, 1582, 1581, 1580, 1579, 1578, 1577, 1576, 1575, 1574, 1573, 1572, 1571, 1570, 1569, 1568, 1567, 1566, 1565, 1564, 1563, 1562, 1561, 1560, 1559, 1558, 1557, 1556, 1555, 1554, 1553, 1552, 1551, 1550, 1549, 1548, 1547, 1546, 1545, 1544, 1543, 1542, 1541, 1540, 1539, 1538, 1537, 1536, 1535, 1534, 1533, 1532, 1531, 1530, 1529, 1528, 1527, 1526, 1525, 1524, 1523, 1522, 1521, 1520, 1519, 1518, 1517, 1516, 1515, 1514, 1513, 1512, 1511, 1510, 1509, 1508, 1507, 1506, 1505, 1504, 1503, 1502, 1501, 1500, 1499, 1498, 1497, 1496, 1495, 1494, 1493, 1492, 1491, 1490, 1489, 1488, 1487, 1486, 1485, 1484, 1483, 1482, 1481, 1480, 1479, 1478, 1477, 1476, 1475, 1474, 1473, 1472, 1471, 1470, 1469, 1468, 1467, 1466, 1465, 1464, 1463, 1462, 1461, 1460, 1459, 1458, 1457, 1456, 1455, 1454, 1453, 1452, 1451, 1450, 1449, 1448, 1447, 1446, 1445, 1444, 1443, 1442, 1441, 1440, 1439, 1438, 1437, 1436, 1435, 1434, 1433, 1432, 1431, 1430, 1429, 1428, 1427, 1426, 1425, 1424, 1423, 1422, 1421, 1420, 1419, 1418, 1417, 1416, 1415, 1414, 1413, 1412, 1411, 1410, 1409, 1408, 1407, 1406, 1405, 1404, 1403, 1402, 1401, 1400, 1399, 1398, 1397, 1396, 1395, 1394, 1393, 1392, 1391, 1390, 1389, 1388, 1387, 1386, 1385, 1384, 1383, 1382, 1381, 1380, 1379, 1378, 1377, 1376, 1375, 1374, 1373, 1372, 1371, 1370, 1369, 1368, 1367, 1366, 1365, 1364, 1363, 1362, 1361, 1360, 1359, 1358, 1357, 1356, 1355, 1354, 1353, 1352, 1351, 1350, 1349, 1348, 1347, 1346, 1345, 1344, 1343, 1342, 1341, 1340, 1339, 1338, 1337, 1336, 1335, 1334, 1333, 1332, 1331, 1330, 1329, 1328, 1327, 1326, 1325, 1324, 1323, 1322, 1321, 1320, 1319, 1318, 1317, 1316, 1315, 1314, 1313, 1312, 1311, 1310, 1309, 1308, 1307, 1306, 1305, 1304, 1303, 1302, 1301, 1300, 1299, 1298, 1297, 1296, 1295, 1294, 1293, 1292, 1291, 1290, 1289, 1288, 1287, 1286, 1285, 1284, 1283, 1282, 1281, 1280, 1279, 1278, 1277, 1276, 1275, 1274, 1273, 1272, 1271, 1270, 1269, 1268, 1267, 1266, 1265, 1264, 1263, 1262, 1261, 1260, 1259, 1258, 1257, 1256, 1255, 1254, 1253, 1252, 1251, 1250, 1249, 1248, 1247, 1246, 1245, 1244, 1243, 1242, 1241, 1240, 1239, 1238, 1237, 1236, 1235, 1234, 1233, 1232, 1231, 1230, 1229, 1228, 1227, 1226, 1225, 1224, 1223, 1222, 1221, 1220, 1219, 1218, 1217, 1216, 1215, 1214, 1213, 1212, 1211, 1210, 1209, 1208, 1207, 1206, 1205, 1204, 1203, 1202, 1201, 1200, 1199, 1198, 1197, 1196, 1195, 1194, 1193, 1192, 1191, 1190, 1189, 1188, 1187, 1186, 1185, 1184, 1183, 1182, 1181, 1180, 1179, 1178, 1177, 1176, 1175, 1174, 1173, 1172, 1171, 1170, 1169, 1168, 1167, 1166, 1165, 1164, 1163, 1162, 1161, 1160, 1159, 1158, 1157, 1156, 1155, 1154, 1153, 1152, 1151, 1150, 1149, 1148, 1147, 1146, 1145, 1144, 1143, 1142, 1141, 1140, 1139, 1138, 1137, 1136, 1135, 1134, 1133, 1132, 1131, 1130, 1129, 1128, 1127, 1126, 1125, 1124, 1123, 1122, 1121, 1120, 1119, 1118, 1117, 1116, 1115, 1114, 1113, 1112, 1111, 1110, 1109, 1108, 1107, 1106, 1105, 1104, 1103, 1102, 1101, 1100, 1099, 1098, 1097, 1096, 1095, 1094, 1093, 1092, 1091, 1090, 1089, 1088, 1087, 1086, 1085, 1084, 1083, 1082, 1081, 1080, 1079, 1078, 1077, 1076, 1075, 1074, 1073, 1072, 1071, 1070, 1069, 1068, 1067, 1066, 1065, 1064, 1063, 1062, 1061, 1060, 1059, 1058, 1057, 1056, 1055, 1054, 1053, 1052, 1051, 1050, 1049, 1048, 1047, 1046, 1045, 1044, 1043, 1042, 1041, 1040, 1039, 1038, 1037, 1036, 1035, 1034, 1033, 1032, 1031, 1030, 1029, 1028, 1027, 1026, 1025, 1024, 1023, 1022, 1021, 1020, 1019, 1018, 1017, 1016, 1015, 1014, 1013, 1012, 1011, 1010, 1009, 1008, 1007, 1006, 1005, 1004, 1003, 1002, 1001, 1000, 999, 998, 997, 996, 995, 994, 993, 992, 991, 990, 989, 988, 987, 986, 985, 984, 983, 982, 981, 980, 979, 978, 977, 976, 975, 974, 973, 972, 971, 970, 969, 968, 967, 966, 965, 964, 963, 962, 961, 960, 959, 958, 957, 956, 955, 954, 953, 952, 951, 950, 949, 948, 947, 946, 945, 944, 943, 942, 941, 940, 939, 938, 937, 936, 935, 934, 933, 932, 931, 930, 929, 928, 927, 926, 925, 924, 923, 922, 921, 920, 919, 918, 917, 916, 915, 914, 913, 912, 911, 910, 909, 908, 907, 906, 905, 904, 903, 902, 901, 900, 899, 898, 897, 896, 895, 894, 893, 892, 891, 890, 889, 888, 887, 886, 885, 884, 883, 882, 881, 880, 879, 878, 877, 876, 875, 874, 873, 872, 871, 870, 869, 868, 867, 866, 865, 864, 863, 862, 861, 860, 859, 858, 857, 856, 855, 854, 853, 852, 851, 850, 849, 848, 847, 846, 845, 844, 843, 842, 841, 840, 839, 838, 837, 836, 835, 834, 833, 832, 831, 830, 829, 828, 827, 826, 825, 824, 823, 822, 821, 820, 819, 818, 817, 816, 815, 814, 813, 812, 811, 810, 809, 808, 807, 806, 805, 804, 803, 802, 801, 800, 799, 798, 797, 796, 795, 794, 793, 792, 791, 790, 789, 788, 787, 786, 785, 784, 783, 782, 781, 780, 779, 778, 777, 776, 775, 774, 773, 772, 771, 770, 769, 768, 767, 766, 765, 764, 763, 762, 761, 760, 759, 758, 757, 756, 755, 754, 753, 752, 751, 750, 749, 748, 747, 746, 745, 744, 743, 742, 741, 740, 739, 738, 737, 736, 735, 734, 733, 732, 731, 730, 729, 728, 727, 726, 725, 724, 723, 722, 721, 720, 719, 718, 717, 716, 715, 714, 713, 712, 711, 710, 709, 708, 707, 706, 705, 704, 703, 702, 701, 700, 699, 698, 697, 696, 695, 694, 693, 692, 691, 690, 689, 688, 687, 686, 685, 684, 683, 682, 681, 680, 679, 678, 677, 676, 675, 674, 673, 672, 671, 670, 669, 668, 667, 666, 665, 664, 663, 662, 661, 660, 659, 658, 657, 656, 655, 654, 653, 652, 651, 650, 649, 648, 647, 646, 645, 644, 643, 642, 641, 640, 639, 638, 637, 636, 635, 634, 633, 632, 631, 630, 629, 628, 627, 626, 625, 624, 623, 622, 621, 620, 619, 618, 617, 616, 615, 614, 613, 612, 611, 610, 609, 608, 607, 606, 605, 604, 603, 602, 601, 600, 599, 598, 597, 596, 595, 594, 593, 592, 591, 590, 589, 588, 587, 586, 585, 584, 583, 582, 581, 580, 579, 578, 577, 576, 575, 574, 573, 572, 571, 570, 569, 568, 567, 566, 565, 564, 563, 562, 561, 560, 559, 558, 557, 556, 555, 554, 553, 552, 551, 550, 549, 548, 547, 546, 545, 544, 543, 542, 541, 540, 539, 538, 537, 536, 535, 534, 533, 532, 531, 530, 529, 528, 527, 526, 525, 524, 523, 522, 521, 520, 519, 518, 517, 516, 515, 514, 513, 512, 511, 510, 509, 508, 507, 506, 505, 504, 503, 502, 501, 500, 499, 498, 497, 496, 495, 494, 493, 492, 491, 490, 489, 488, 487, 486, 485, 484, 483, 482, 481, 480, 479, 478, 477, 476, 475, 474, 473, 472, 471, 470, 469, 468, 467, 466, 465, 464, 463, 462, 461, 460, 459, 458, 457, 456, 455, 454, 453, 452, 451, 450, 449, 448, 447, 446, 445, 444, 443, 442, 441, 440, 439, 438, 437, 436, 435, 434, 433, 432, 431, 430, 429, 428, 427, 426, 425, 424, 423, 422, 421, 420, 419, 418, 417, 416, 415, 414, 413, 412, 411, 410, 409, 408, 407, 406, 405, 404, 403, 402, 401, 400, 399, 398, 397, 396, 395, 394, 393, 392, 391, 390, 389, 388, 387, 386, 385, 384, 383, 382, 381, 380, 379, 378, 377, 376, 375, 374, 373, 372, 371, 370, 369, 368, 367, 366, 365, 364, 363, 362, 361, 360, 359, 358, 357, 356, 355, 354, 353, 352, 351, 350, 349, 348, 347, 346, 345, 344, 343, 342, 341, 340, 339, 338, 337, 336, 335, 334, 333, 332, 331, 330, 329, 328, 327, 326, 325, 324, 323, 322, 321, 320, 319, 318, 317, 316, 315, 314, 313, 312, 311, 310, 309, 308, 307, 306, 305, 304, 303, 302, 301, 300, 299, 298, 297, 296, 295, 294, 293, 292, 291, 290, 289, 288, 287, 286, 285, 284, 283, 282, 281, 280, 279, 278, 277, 276, 275, 274, 273, 272, 271, 270, 269, 268, 267, 266, 265, 264, 263, 262, 261, 260, 259, 258, 257, 256, 255, 254, 253, 252, 251, 250, 249, 248, 247, 246, 245, 244, 243, 242, 241, 240, 239, 238, 237, 236, 235, 234, 233, 232, 231, 230, 229, 228, 227, 226, 225, 224, 223, 222, 221, 220, 219, 218, 217, 216, 215, 214, 213, 212, 211, 210, 209, 208, 207, 206, 205, 204, 203, 202, 201, 200, 199, 198, 197, 196, 195, 194, 193, 192, 191, 190, 189, 188, 187, 186, 185, 184, 183, 182, 181, 180, 179, 178, 177, 176, 175, 174, 173, 172, 171, 170, 169, 168, 167, 166, 165, 164, 163, 162, 161, 160, 159, 158, 157, 156, 155, 154, 153, 152, 151, 150, 149, 148, 147, 146, 145, 144, 143, 142, 141, 140, 139, 138, 137, 136, 135, 134, 133, 132, 131, 130, 129, 128, 127, 126, 125, 124, 123, 122, 121, 120, 119, 118, 117, 116, 115, 114, 113, 112, 111, 110, 109, 108, 107, 106, 105, 104, 103, 102, 101, 100, 99, 98, 97, 96, 95, 94, 93, 92, 91, 90, 89, 88, 87, 86, 85, 84, 83, 82, 81, 80, 79, 78, 77, 76, 75, 74, 73, 72, 71, 70, 69, 68, 67, 66, 65, 64, 63, 62, 61, 60, 59, 58, 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0, -1, -2, -3, -4, -5, -6, -7, -8, -9, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -50, -51, -52, -53, -54, -55, -56, -57, -58, -59, -60, -61, -62, -63, -64, -65, -66, -67, -68, -69, -70, -71, -72, -73, -74, -75, -76, -77, -78, -79, -80, -81, -82, -83, -84, -85, -86, -87, -88, -89, -90, -91, -92, -93, -94, -95, -96, -97, -98, -99, -100, -101, -102, -103, -104, -105, -106, -107, -108, -109, -110, -111, -112, -113, -114, -115, -116, -117, -118, -119, -120, -121, -122, -123, -124, -125, -126, -127, -128, -129, -130, -131, -132, -133, -134, -135, -136, -137, -138, -139, -140, -141, -142, -143, -144, -145, -146, -147, -148, -149, -150, -151, -152, -153, -154, -155, -156, -157, -158, -159, -160, -161, -162, -163, -164, -165, -166, -167, -168, -169, -170, -171, -172, -173, -174, -175, -176, -177, -178, -179, -180, -181, -182, -183, -184, -185, -186, -187, -188, -189, -190, -191, -192, -193, -194, -195, -196, -197, -198, -199, -200, -201, -202, -203, -204, -205, -206, -207, -208, -209, -210, -211, -212, -213, -214, -215, -216, -217, -218, -219, -220, -221, -222, -223, -224, -225, -226, -227, -228, -229, -230, -231, -232, -233, -234, -235, -236, -237, -238, -239, -240, -241, -242, -243, -244, -245, -246, -247, -248, -249, -250, -251, -252, -253, -254, -255, -256, -257, -258, -259, -260, -261, -262, -263, -264, -265, -266, -267, -268, -269, -270, -271, -272, -273, -274, -275, -276, -277, -278, -279, -280, -281, -282, -283, -284, -285, -2						

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Minnesota Other Tail Power Co.	Mississippi Power & Light Co.	Mississippi Power Co.	Mississippi System Energy Resources Inc.	Missouri Empire District Electric Co.	Missouri Kansas City Power & Light Co.
Total Utility Operating Income	172,840	594,746	431,602	347,307	193,361	731,480
Total Utility Operating Expenses						
Operation Expenses	66,733	476,594	243,566	270,609	19,834	226,479
Maintenance Expenses	17,408	35,334	36,131	29,789	8,914	68,453
Depreciation Expenses	18,982	36,378	30,229	86,629	17,064	64,547
Amortization	667	298	652	71	8	18,197
Taxes (Other Than Income Taxes)	33,024	21,436	33,167	24,650	3,477	60,381
Federal Income Taxes	3,476	73	18,397	77,559	4,769	20,576
Other Income Taxes	2,750	262	12,835	12,542	576	4,118
Provision for Deferred Income Taxes	7,481	64,938	1,480	89,752	3,905	62,350
Less: Provision for Deferred Income Taxes Income Taxes Credit	4,999	46,432	7,671	7,679	3,283	29,519
Investment Tax Credit Adjustments (net)	1,736	1,527	1,514	802	639	7,981
Less: Items from Disposition of Utility Plant	0	0	0	0	0	0
Less: Plant Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	138,279	597,502	363,756	482,668	106,682	544,712
Net Utility Operating Income	34,561	112,244	66,847	354,639	26,678	186,768
Other Income and Deductions						
Other Income						
Nonutility Operating Income	80	521	5,179	0	2	3
Interest Income of Subsidiary Companies	847	0	0	8	0	2,135
Interest and Dividend Income	1,045	11,741	9,870	12,241	786	604
Average for Other Income (net)	0	0	963	62,311	501	235
Insurance Compensation	86	34	130	121	0	8,672
Miscellaneous Nonoperating Income	71	0	0	2,995	0	77
Gain on Disposition of Property	1,350	3,133	1,220	-26,648	1,285	7,450
Total Other Income	1,350	3,133	1,220	-26,648	1,285	7,450
Other Income Deductions						
Cost of Disposition of Property	0	0	36	906,692	1	0
Miscellaneous Amortization	0	0	0	0	17	0
Miscellaneous Income Deductions	315	60,827	2,074	161,340	329	388
Total Other Income Deductions	315	60,827	2,110	962,282	346	388
Taxes on Other Income and Deductions						
Taxes (Other Than Income Taxes)	14	20	582	0	1	42
Federal Income Taxes	26	571	36,494	222,721	199	2,444
Other Income Taxes	48	41	1,180	35,470	23	408
Provision for Deferred Income Taxes	0	0	24	133,016	0	3,272
Less: Provision for Deferred Income Taxes Credit	136	97,163	0	78,447	0	503
Investment Tax Credit Adjustments (net)	0	0	165	13,981	0	0
Less: Investment Tax Credits	0	0	0	0	0	87
Total Taxes on Other Income and Deductions	-6	-26,511	-2,233	-217,584	223	-178
Net Other Income and Deductions	1,041	-31,272	-1,117	-771,346	716	7,240

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Minnesota Otter Tail Power Co	Mississippi Mississippi Power & Light Co	Mississippi Mississippi Power Co	Mississippi System Energy Resources Inc	Missouri Empire District Electric Co	Missouri Kansas City Power & Light Co
Interest Charges						
Interest on Long-term Debt	9,591	65,320	21,906	214,611	10,086	78,570
Amortization of Debt Discount and Expense	124	1,447	125	4,050	126	770
Amortization of Loss on Recaptured Debt	104	153	243	3,648	0	901
(less) Amortization of Premium on Debt (credit)	2	52	6	0	0	11
(less) Amortization of Gain on Recaptured Debt (credit)	11	0	0	0	0	1
Interest on Debt to Associated Companies	0	1,031	0	0	0	0
Other Interest Expense	604	1,591	2,258	2,790	230	6,857
(less) Allowance for Borrowed Funds Used During Construction (credit)	103	937	821	400	394	1,696
Net Interest Charges	10,336	68,553	23,704	224,699	10,046	85,390
Income Before Extraordinary Items	25,266	12,419	42,026	-641,405	17,347	108,618
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	25,266	12,419	42,026	-641,405	17,347	108,618
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	62,784	202,318	99,291	1,240,220	43,420	369,002
Balance Transferred from Income Credits to Retained Earnings	24,959	12,419	42,026	-641,405	17,347	110,754
(less) Debits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	1,028	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	3	0
(less) Dividends Declared - Preferred Stock	2,296	12,075	3,450	0	583	6,357
(less) Dividends Declared - Common Stock	18,109	16,349	27,000	67,673	12,818	77,323
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	0	0
Retained Earnings - End of Year	68,428	183,286	110,867	511,141	47,363	396,075
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings Amortization Reserve - Federal	0	0	0	0	50	0
Total Retained Earnings	68,428	183,286	110,867	511,141	47,413	396,075

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Missouri	Missouri	Missouri	Montana	Nevada	Nevada
Item	St Joseph Light & Power Co	Union Electric Co	UtiliCorp United Inc	Montana Power Co	Nevada Power Co	Sierra Pacific Power Co
Electric Utility Operating Income						
Electric Operating Revenues	68,235	1,929,884	222,769	379,284	418,373	362,557
Electric Operating Expenses						
Operation Expenses	29,367	691,064	111,072	185,780	235,250	203,834
Maintenance Expenses	7,447	152,155	18,696	29,521	43,910	17,490
Depreciation Expenses	7,414	190,705	18,920	33,697	27,671	30,447
Amortization	0	36,494	105	526	121	860
Taxes Other Than Income Taxes	5,023	189,422	18,970	24,312	16,578	9,125
Federal Income Taxes	4,225	145,250	8,600	16,646	4,233	20,338
Other Income Taxes	406	15,899	993	4,940	145	360
Provision for Deferred Income Taxes	1,775	72,597	3,815	18,906	23,052	5,445
(less) Provision for Deferred Income Taxes (credit)	878	22,316	254	21,378	7,770	0
Investment Tax Credit Adjustments (net)	-412	-6,928	-836	611	-1,618	-1,696
(less) Gains from Disposition of Utility Plant	0	148	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	54,367	1,464,195	160,080	293,960	341,571	286,203
Net Electric Utility Operating Income	13,868	465,689	42,689	85,323	76,802	76,354
Gas Utility Operating Income						
Gas Operating Revenues	4,612	76,841	33,997	108,339	0	51,236
Gas Operating Expenses						
Operation Expenses	3,701	65,151	24,379	65,712	0	42,242
Maintenance Expenses	215	3,351	1,522	3,985	0	678
Depreciation Expenses	138	3,027	1,355	5,478	0	2,262
Amortization	0	0	28	1,944	0	115
Taxes Other Than Income Taxes	270	6,047	2,190	13,120	0	578
Federal Income Taxes	73	-556	575	-407	0	1,145
Other Income Taxes	7	-6	60	836	0	0
Provision for Deferred Income Taxes	24	-5	326	5,345	0	409
(less) Provision for Deferred Income Taxes (credit)	33	484	25	4,847	0	0
Investment Tax Credit Adjustments (net)	-3	-77	-44	1,493	0	-120
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	4,392	76,448	30,366	92,659	0	47,309
Net Gas Utility Operating Income	220	393	2,730	15,680	0	3,927
Other Utility Operating Income						
Other Utility Operating Revenues	6,236	3,581	412,974	0	0	25,629
Other Utility Operating Expenses						
Operation Expenses	4,988	1,839	346,385	0	0	13,138
Maintenance Expenses	145	713	5,331	0	0	1,719
Depreciation Expenses	231	228	15,507	0	0	3,114
Amortization	0	0	3,726	0	0	131
Taxes Other Than Income Taxes	99	348	11,258	0	0	1,073
Federal Income Taxes	223	97	5,090	0	0	2,061
Other Income Taxes	23	11	1,382	0	0	0
Provision for Deferred Income Taxes	34	73	1,454	0	0	-376
(less) Provision for Deferred Income Taxes (credit)	35	106	3,615	0	0	0
Investment Tax Credit Adjustments (net)	-3	-8	-144	0	0	-103
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	5,704	3,195	386,373	0	0	20,757
Net Other Utility Operating Income	532	386	26,601	0	0	4,872

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Missouri	Missouri	Missouri	Montana	Nevada	Nevada
Item	St. Joseph Light & Power Co.	Union Electric Co.	UtiliCorp United Inc.	Montana Power Co.	Nevada Power Co.	Sierra Pacific Power Co.
Total Utility Operating Income						
Total Utility Operating Revenues	79,082	2,010,306	668,839	487,623	418,373	439,422
Total Utility Operating Expenses						
Operation Expenses	38,055	758,055	481,837	251,492	235,250	259,215
Maintenance Expenses	7,807	156,219	25,549	33,505	43,910	19,887
Depreciation Expense	7,783	193,960	35,781	39,174	27,671	35,824
Amortization	0	36,494	3,859	2,870	121	1,106
Taxes Other Than Income Taxes	5,392	195,817	32,417	37,432	16,578	10,776
Federal Income Taxes	4,520	144,791	14,264	16,239	4,233	23,544
Other Income Taxes	436	15,904	2,435	5,776	145	360
Provision for Deferred Income Taxes	1,833	72,665	5,595	24,251	23,052	5,477
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	946	22,906	3,894	26,225	7,770	0
Investment Tax Credit Adjustments (net)	-418	-7,013	-1,024	2,105	-1,618	-1,919
(less) Gains from Disposition of Utility Plant	0	148	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	64,463	1,543,838	596,819	386,619	341,571	354,270
Net Utility Operating Income	14,620	466,468	72,020	101,004	76,802	85,152
Other Income and Deductions						
Other Income						
Nonutility Operating Income	0	75	3,005	75	0	0
Equity in Earnings of Subsidiary Companies	0	4,162	12,997	46,716	-2,140	0
Interest and Dividend Income	1,072	6,620	836	13,483	12,215	6,089
Allowance for Other Funds Used						
During Construction	113	2,656	0	280	4,693	122
Miscellaneous Nonoperating Income	14	330	268	-119	0	-7
Gain on Disposition of Property	47	37	467	0	139	0
Total Other Income	1,247	13,881	17,573	60,435	14,906	6,204
Other Income Deductions						
Loss on Disposition of Property	123	-13	37	-12	0	0
Miscellaneous Amortization	168	0	1,551	560	0	0
Miscellaneous Income Deductions	244	54,836	1,454	9,040	4,178	1,433
Total Other Income Deductions	535	54,823	3,042	9,588	4,178	1,433
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	23	234	17	1	0
Federal Income Taxes	106	-7,844	821	1,069	692	-138
Other Income Taxes	11	-917	229	-815	0	0
Provision for Deferred Income Taxes	130	-12,665	-233	2,536	30	-2,435
(less) Provision for Deferred						
Income Taxes (credit)	3	0	0	2,714	530	0
Investment Tax Credit Adjustments (net)	0	0	-6	0	0	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	245	-21,397	1,046	93	193	-2,573
Net Other Income and Deductions	467	-19,544	13,485	50,754	10,535	7,344

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Missouri UtiliCorp United Inc	Montana Montana Power Co	Nevada Nevada Power Co	Nevada Sierra Pacific Power Co
Interest Charges						
Interest on Long-term Debt	4,388	168,286	29,567	52,007	35,138	38,123
Amortization of Debt Discount and Expense	39	793	383	610	406	232
Amortization of Loss on Recquired Debt	6	3,653	0	0	86	306
(less) Amortization of Premium on Debt (credit)	1	163	0	6	3	32
(less) Amortization of Gain on Recquired Debt (credit)	0	0	0	34	0	0
Interest on Debt to Associated Companies	0	0	0	0	0	0
Other Interest Expense	27	4,003	8,107	6,532	1,519	2,675
(less) Allowance for Borrowed Funds Used During Construction (credit)	50	15,252	866	1,634	1,276	948
Net Interest Charges	4,409	161,320	37,191	57,425	35,870	40,356
Income Before Extraordinary Items	10,678	285,604	48,314	94,333	51,467	52,140
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	32,370	0	0
Net Extraordinary Items	0	0	0	-32,370	0	0
(less) Federal and Other Income Taxes	0	0	0	-12,448	0	0
Extraordinary Items After Taxes	0	0	0	-19,922	0	0
Net Income	10,678	285,604	48,314	74,411	51,467	52,140
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	43,086	569,256	45,037	52,979	135,761	90,895
Balance Transferred from Income	10,678	281,442	35,317	27,696	53,607	52,140
Credits to Retained Earnings	0	0	0	262	0	0
(less) Debits to Retained Earnings	0	3,013	211	17	27	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	0	18,066	5,713	3,790	3,275	4,361
(less) Dividends Declared - Common Stock	6,632	206,290	28,936	67,976	41,084	41,294
Unappropriated Undistributed Subsidiary Earnings	0	4,523	7,389	17,849	0	0
Retained Earnings - End of Year	47,132	727,852	52,883	27,002	144,982	97,381
Appropriated Retained Earnings	0	0	0	0	2,890	0
Appropriated Retained Earnings - Amortization Reserve, Federal	0	0	0	5,238	0	0
Total Retained Earnings	47,132	727,852	52,883	33,241	147,872	97,381

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item	James River NH Electric Inc.	New England Electric Transmission Corp.	Public Service Co of NH	Atlantic City Electric Co.	Jersey Central Power & Light Co.	Public Service Electric & Gas Co.
Electric Utility Operating Income						
Electric Operating Revenues	11,930	14,600	619,388	705,157	1,505,812	3,279,913
Electric Operating Expenses						
Operation Expense	9,257	1,098	402,912	341,660	819,391	1,258,523
Maintenance Expense	923	600	41,425	55,249	115,487	281,435
Depreciation Expense	854	4,775	33,997	56,419	113,800	332,092
Amortization	0	11	48	2,066	12,859	41,845
Taxes Other Than Income Taxes	709	1,008	29,403	92,563	190,341	441,200
Federal Income Taxes	-118	-121	16,139	18,705	46,708	169,898
Other Income Taxes	12	0	502	0	371	1,149
Provision for Deferred Income Taxes	191	1,184	7,143	22,898	79,865	130,729
(less) Provision for Deferred Income Taxes (credit)	0	217	42	16,289	64,798	98,995
Investment Tax Credit Adjustments (net)	0	-408	-574	-2,449	-6,057	-22,205
(less) Gains from Disposition of Utility Plant	2	0	8	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	2	0
Total Electric Operating Expenses	11,827	7,930	530,945	570,822	1,307,969	2,535,671
Net Electric Utility Operating Income	103	6,670	88,443	134,335	197,843	744,242
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	0	0	1,362,470
Gas Operating Expenses						
Operation Expenses	0	0	0	0	0	929,353
Maintenance Expenses	0	0	0	0	0	34,766
Depreciation Expenses	0	0	0	0	0	68,046
Amortization	0	0	0	0	0	18,113
Taxes Other Than Income Taxes	0	0	0	0	0	189,339
Federal Income Taxes	0	0	0	0	0	36,923
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	10,869
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	18,375
Investment Tax Credit Adjustments (net)	0	0	0	0	0	-1,903
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	0	0	1,267,131
Net Gas Utility Operating Income	0	0	0	0	0	95,339
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item	James River-NH Electric Inc.	New England Electric Transmission Corp.	Public Service Co. of NH	Atlantic City Electric Co.	Jersey Central Power & Light Co.	Public Service Electric & Gas Co.
Total Utility Operating Income						
Total Utility Operating Revenues	11,930	14,600	619,386	705,157	1,505,812	4,642,384
Total Utility Operating Expenses						
Operation Expenses	9,257	1,098	402,912	341,660	819,391	2,187,876
Maintenance Expenses	923	600	41,425	55,249	115,487	316,201
Depreciation Expense	854	4,775	33,997	56,419	113,800	400,138
Amortization	0	11	48	2,066	12,859	59,958
Taxes Other Than Income Taxes	709	1,008	29,403	92,563	190,341	630,539
Federal Income Taxes	-118	-121	16,139	18,705	46,708	206,821
Other Income Taxes	12	0	502	0	371	1,149
Provision for Deferred Income Taxes	191	1,184	7,143	22,898	79,865	141,598
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	0	217	42	16,289	64,798	117,370
Investment Tax Credit Adjustments (net)	0	-408	-574	-2,449	-6,057	-24,108
(less) Gains from Disposition of Utility Plant	2	0	8	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	2	0
Total Utility Operating Expenses	11,827	7,930	530,945	570,822	1,307,969	3,802,802
Net Utility Operating Income	103	6,670	88,443	134,335	197,843	839,582
Other Income and Deductions						
Other Income						
Nonutility Operating Income	0	0	11	11	-4	-46
Equity in Earnings of Subsidiary Companies	0	0	1,609	0	0	-39
Interest and Dividend Income	0	43	10,167	872	6,256	5,535
Allowance for Other Funds Used						
During Construction	0	0	454	0	3,506	16,663
Miscellaneous Nonoperating Income	0	0	184	9,412	17,800	15,707
Gain on Disposition of Property	0	0	258	18	81	280
Total Other Income	0	43	12,683	10,314	27,639	38,100
Other Income Deductions						
Loss on Disposition of Property	0	0	0	52	5	0
Miscellaneous Amortization	0	0	0	0	0	0
Miscellaneous Income Deductions	0	2	336,858	482	971	3,116
Total Other Income Deductions	0	2	336,858	534	976	3,116
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	0	25	107	15	395
Federal Income Taxes	0	0	-16,193	1,684	578	-4,638
Other Income Taxes	0	0	-386	0	3	0
Provision for Deferred Income Taxes	0	0	-72,284	403	8,879	10,906
(less) Provision for Deferred						
Income Taxes (credit)	0	0	0	288	331	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	0	0	-88,838	1,906	9,144	6,662
Net Other Income and Deductions	0	42	-235,336	7,874	17,519	28,322

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item	James River-NH Electric Inc	New England Electric Transmission Corp	Public Service Co of NH	Atlantic City Electric Co	Jersey Central Power & Light Co	Public Service Electric & Gas Co
Interest Charges						
Interest on Long-term Debt	0	5,165	91,331	44,776	76,364	297,720
Amortization of Debt Discount and Expense	0	32	1,449	587	352	2,537
Amortization of Loss on Recaptured Debt	0	0	0	1,828	149	5,384
(less) Amortization of Premium on Debt (credit)	0	0	11	60	73	186
(less) Amortization of Gain on Recaptured Debt (credit)	0	0	0	0	1,026	0
Interest on Debt to Associated Companies	0	3	0	0	0	0
Other Interest Expense	0	6	558	6,140	14,534	31,407
(less) Allowance for Borrowed Funds Used During Construction (credit)	0	0	36,983	2,805	6,839	13,333
Net Interest Charges	0	5,207	56,344	50,466	83,460	323,529
Income Before Extraordinary Items	103	1,504	-203,237	91,743	131,902	544,375
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	730,765	0	0	0
Net Extraordinary Items	0	0	-730,765	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	-730,765	0	0	0
Net Income	103	1,504	-934,002	91,743	131,902	544,375
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	1,276	159	363,608	195,807	355,194	1,105,994
Balance Transferred from Income	103	1,504	-935,611	91,743	131,902	544,413
Credits to Retained Earnings	0	0	34,593	0	0	0
(less) Debits to Retained Earnings	0	26	0	23	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	-64
(less) Dividends Declared - Preferred Stock	0	0	0	8,766	10,875	29,012
(less) Dividends Declared - Common Stock	0	1,386	0	62,396	60,000	525,000
Unappropriated Undistributed Subsidiary Earnings	0	0	1,089	0	0	0
Retained Earnings - End of Year	1,381	251	-536,322	216,366	416,220	1,096,458
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve, Federal	0	0	480	0	0	305
Total Retained Earnings	1,381	251	-535,841	216,366	416,220	1,096,763

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	New Jersey	New Mexico	New York	New York	New York	New York
Item	Rockland Electric Co	Public Service Co of NM	Central Hudson Gas & Electric Corp	Consolidated Edison Co-NY Inc	Long Island Lighting Co	Long Sault Inc
Electric Utility Operating Income						
Electric Operating Revenues	114,368	620,381	403,235	4,586,492	1,983,505	1,876
Electric Operating Expenses						
Operation Expense	78,878	349,258	213,302	2,001,391	822,396	308
Maintenance Expense	3,135	41,806	21,589	389,638	115,567	755
Depreciation Expense	2,730	54,343	26,732	279,835	91,759	200
Amortization	856	3,787	6,103	6,761	774,032	0
Taxes Other Than Income Taxes	15,264	26,213	44,771	939,246	312,456	163
Federal Income Taxes	4,655	10,916	9,012	223,500	14,612	151
Other Income Taxes	0	2,424	0	0	-28,115	0
Provision for Deferred Income Taxes	828	13,398	16,812	207,240	498,891	2
(less) Provision for Deferred Income Taxes (credit)	2,188	0	7,129	148,133	1,209,692	0
Investment Tax Credit Adjustments (net)	-479	-6,327	131	-11,080	416	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	103,680	495,817	331,322	3,888,398	1,392,321	1,580
Net Electric Utility Operating Income	10,688	124,565	71,913	698,094	591,184	297
Gas Utility Operating Income						
Gas Operating Revenues	0	239,278	66,767	694,461	374,457	0
Gas Operating Expenses						
Operation Expenses	0	194,921	49,802	406,128	257,922	0
Maintenance Expenses	0	6,583	2,351	64,279	14,222	0
Depreciation Expenses	0	9,631	2,505	30,313	11,664	0
Amortization	0	563	5	121	7	0
Taxes Other Than Income Taxes	0	6,479	6,469	108,778	51,935	0
Federal Income Taxes	0	-6,163	1,241	19,765	0	0
Other Income Taxes	0	-1,377	0	0	1,283	0
Provision for Deferred Income Taxes	0	8,642	2,073	27,590	18,866	0
(less) Provision for Deferred Income Taxes (credit)	0	0	2,355	29,282	10,788	0
Investment Tax Credit Adjustments (net)	0	-102	42	-1,200	107	0
(less) Gains from Disposition of Utility Plant	0	0	0	144	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	219,177	62,133	626,299	345,218	0
Net Gas Utility Operating Income	0	20,101	4,634	68,162	29,239	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	13,849	0	282,486	0	39
Other Utility Operating Expenses						
Operation Expenses	0	3,943	0	186,317	0	0
Maintenance Expenses	0	518	0	17,738	0	0
Depreciation Expense	0	1,401	0	7,873	0	22
Amortization	0	22	0	0	0	0
Taxes Other Than Income Taxes	0	506	0	45,359	0	16
Federal Income Taxes	0	2,099	0	4,975	0	0
Other Income Taxes	0	469	0	0	0	0
Provision for Deferred Income Taxes	0	-201	0	45,637	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	42,512	0	0
Investment Tax Credit Adjustments (net)	0	-46	0	-300	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	8,711	0	265,087	0	39
Net Other Utility Operating Income	0	5,139	0	17,398	0	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	New Jersey Rockland Electric Co.	New Mexico Public Service Co. of NM	New York Central Hudson Gas & Electric Corp.	New York Consolidated Edison Co. NY Inc.	New York Long Island Lighting Co.	New York Long Sault Inc.
Total Utility Operating Income						
Total Utility Operating Revenues	114,368	873,509	470,002	5,563,439	2,357,962	1,915
Total Utility Operating Expenses						
Operation Expenses	78,878	548,122	263,103	2,593,836	1,080,318	308
Maintenance Expenses	3,135	19,906	23,940	471,655	129,789	755
Depreciation Expense	2,730	65,375	29,237	318,021	103,423	223
Amortization	856	4,371	6,108	6,882	774,039	0
Taxes Other Than Income Taxes	15,264	33,198	51,240	1,093,333	364,391	179
Federal Income Taxes	4,655	6,852	10,253	249,240	14,612	151
Other Income Taxes	0	1,516	0	0	-26,832	0
Provision for Deferred Income Taxes	828	21,839	18,885	280,467	517,757	2
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	2,188	0	9,484	219,927	1,220,480	0
Investment Tax Credit Adjustments (net)	-479	-6,475	173	-12,580	523	0
(less) Gain from Disposition of Utility Plant	0	0	0	144	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	103,680	723,705	393,456	4,779,784	1,737,539	1,618
Net Utility Operating Income	10,688	149,804	76,547	783,655	620,423	297
Other Income and Deductions						
Other Income						
Nonutility Operating Income	-1	152	31	285	-465	0
Equity in Earnings of Subsidiary Companies	-691	7,528	357	38,665	80	0
Interest and Dividend Income	36	6,842	1,770	22,386	38,171	0
Allowance for Other Funds Used						
During Construction	9	2,909	463	9,823	43,218	0
Miscellaneous Nonoperating Income	531	-4,352	2,769	1	13,265	0
Gain on Disposition of Property	0	1,050	28	0	151	0
Total Other Income	-116	14,129	5,418	71,161	94,420	0
Other Income Deductions						
Loss on Disposition of Property	0	1,380	9	0	0	0
Miscellaneous Amortization	0	54	300	0	0	0
Miscellaneous Income Deductions	179	2,690	1,158	8,094	705,207	0
Total Other Income Deductions	179	4,124	1,467	8,094	705,207	0
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	29	75	69	737	2,293	0
Federal Income Taxes	-64	-6,957	-3,646	4,360	0	0
Other Income Taxes	0	-3,128	0	0	0	0
Provision for Deferred Income Taxes	204	12,357	4,706	0	203,112	0
(less) Provision for Deferred						
Income Taxes (credit)	0	0	597	0	507,485	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	0	0	1,373	0	18,619	0
Total Taxes on Other Income and Deductions	170	2,347	-841	5,097	-320,699	0
Net Other Income and Deductions	-466	7,659	4,792	57,970	-290,088	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	New Jersey	New Mexico	New York	New York	New York	New York
Item	Rockland Electric Co.	Public Service Co. of NM	Central Hudson Gas & Electric Corp.	Consolidated Edison Co. NY Inc.	Long Island Lighting Co.	Long Sault Inc.
Interest Charges						
Interest on Long-term Debt	1,695	70,631	40,241	214,865	453,267	0
Amortization of Debt Discount and Expense	15	1,781	1,075	1,514	7,334	0
Amortization of Loss on Recaptured Debt	0	973	0	0	7,509	0
(less) Amortization of Premium on Debt (credit)	0	186	16	162	91	0
(less) Amortization of Gain on Recaptured Debt (credit)	0	140	0	0	9	0
Interest on Debt to Associated Companies	16	0	0	0	0	0
Other Interest Expense	994	3,721	1,350	22,649	16,623	0
(less) Allowance for Borrowed Funds Used During Construction (credit)	237	1,911	429	3,308	58,495	0
Net Interest Charges	2,482	74,870	42,221	235,559	426,138	0
Income Before Extraordinary Items	7,740	82,593	39,117	606,065	-95,803	297
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	7,740	82,593	39,117	606,065	-95,803	297
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	51,176	-13,621	23,793	2,926,983	1,020,524	316
Balance Transferred from Income	8,431	75,065	38,761	567,472	-95,745	297
Credits to Retained Earnings	0	13,621	0	0	-2,726	0
(less) Debits to Retained Earnings	0	0	0	10	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	336	10,457	5,698	37,298	429,749	0
(less) Dividends Declared - Common Stock	0	15,874	25,825	392,282	55,618	300
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	-80	0
Retained Earnings - End of Year	59,271	48,734	31,030	3,064,866	436,606	312
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve, Federal	0	0	0	0	0	0
Total Retained Earnings	59,271	48,734	31,030	3,064,866	436,606	312

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	New York	New York	New York	New York	North Carolina	North Carolina
Item	New York State Electric & Gas Corp	Niagara Mohawk Power Corp	Orange & Rockland Utilities Inc	Rochester Gas & Electric Corp	Carolina Power & Light Co	Duke Power Co
Electric Utility Operating Income						
Electric Operating Revenues	1,266,668	2,402,037	356,534	577,836	2,480,803	3,639,339
Electric Operating Expenses						
Operation Expense	529,116	1,256,445	195,439	247,157	1,034,566	1,744,390
Maintenance Expense	93,134	184,871	24,857	55,915	221,621	348,944
Depreciation Expense	122,464	193,389	19,916	57,893	280,397	325,980
Amortization	20,969	700	3,245	7,395	73,556	23,711
Taxes Other Than Income Taxes	130,879	303,781	44,770	71,361	125,807	184,134
Federal Income Taxes	32,997	17,652	9,911	11,240	131,568	203,899
Other Income Taxes	0	0	0	0	25,331	44,784
Provision for Deferred Income Taxes	49,100	132,973	8,090	24,156	197,168	196,365
(less) Provision for Deferred Income Taxes (credit)	35,382	64,529	3,228	6,914	186,613	130,554
Investment Tax Credit Adjustments (net)	17,851	220	-33	1,404	-9,674	-6,916
(less) Gains from Disposition of Utility Plant	4	0	0	0	0	0
Losses from Disposition of Utility Plant	0	381	0	0	0	0
Total Electric Operating Expenses	961,123	2,025,882	302,968	469,607	1,893,728	2,954,739
Net Electric Utility Operating Income	305,545	376,155	53,566	108,229	587,075	704,600
Gas Utility Operating Income						
Gas Operating Revenues	161,077	487,381	127,661	264,011	0	0
Gas Operating Expenses						
Operation Expenses	129,007	352,720	92,491	188,367	0	0
Maintenance Expenses	4,287	19,914	3,913	8,401	0	0
Depreciation Expenses	4,941	15,501	4,521	9,776	0	0
Amortization	2	4	232	0	0	0
Taxes Other Than Income Taxes	15,727	48,405	13,425	23,980	0	0
Federal Income Taxes	1,416	5,944	3,109	9,268	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	721	15,523	371	-385	0	0
(less) Provision for Deferred Income Taxes (credit)	2,550	13,380	939	331	0	0
Investment Tax Credit Adjustments (net)	335	45	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	153,885	444,676	117,121	238,476	0	0
Net Gas Utility Operating Income	7,192	42,705	10,540	25,535	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	165	0	0	0	8,699
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	6,003
Maintenance Expenses	0	0	0	0	0	2,209
Depreciation Expense	0	27	0	0	0	762
Amortization	0	1	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	820
Federal Income Taxes	0	0	0	0	0	-487
Other Income Taxes	0	0	0	0	0	-101
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	-35
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	28	0	0	0	9,171
Net Other Utility Operating Income	0	137	0	0	0	-272

See enonotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
Total Utility Operating Income						
Total Utility Operating Revenues	1,427,745	2,889,583	484,195	841,847	2,480,803	3,648,238
Total Utility Operating Expenses						
Operation Expenses	658,122	1,609,165	287,930	435,524	1,031,566	1,750,393
Maintenance Expenses	97,421	204,785	28,770	64,316	221,621	351,154
Depreciation Expense	127,404	208,917	24,437	67,668	280,397	326,742
Amortization	20,971	704	3,477	7,395	73,556	23,711
Taxes Other Than Income Taxes	146,605	352,186	58,196	95,341	125,807	184,954
Federal Income Taxes	34,413	23,596	13,020	20,508	131,568	203,412
Other Income Taxes	0	0	0	0	25,331	44,683
Provision for Deferred Income Taxes	49,821	146,496	8,461	23,771	197,168	196,365
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	37,931	77,909	4,168	7,845	186,613	130,554
Investment Tax Credit Adjustments (net)	18,186	265	-33	1,404	-9,674	-6,950
(less) Gains from Disposition of Utility Plant	4	0	0	0	0	0
Losses from Disposition of Utility Plant	0	381	0	0	0	0
Total Utility Operating Expenses	1,115,008	2,470,586	420,089	708,083	1,893,728	2,943,910
Net Utility Operating Income	312,737	418,996	64,106	133,764	587,075	704,327
Other Income and Deductions						
Other Income						
Nonutility Operating Income	-66	305	-11	0	206	9,786
Equity in Earnings of Subsidiary Companies	0	16,908	7,566	-890	0	24,759
Interest and Dividend Income	800	2,883	351	6,093	1,760	6,068
Allowance for Other Funds Used						
During Construction	594	10,085	6	2,261	772	61,347
Miscellaneous Nonoperating Income	4,994	11,330	-177	4,079	40,087	34,381
Gain on Disposition of Property	503	389	0	32	68	583
Total Other Income	6,826	41,900	7,735	11,575	42,893	136,924
Other Income Deductions						
Loss on Disposition of Property	0	-8	0	0	18	12
Miscellaneous Amortization	-41	1,166	0	0	8	373
Miscellaneous Income Deductions	-6,381	26,583	764	860	4,342	53,382
Total Other Income Deductions	-6,422	27,741	764	860	4,368	53,767
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	172	850	41	127	100	700
Federal Income Taxes	-9,540	0	-724	-4,333	-9,266	-18,003
Other Income Taxes	0	0	0	0	-317	-3,806
Provision for Deferred Income Taxes	9,076	0	0	6,446	22,686	28,645
(less) Provision for Deferred						
Income Taxes (credit)	-2,585	5,389	0	0	5,403	26,478
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	5,591	9,381	964	2,852	0	0
Total Taxes on Other Income and Deductions	-3,299	-13,920	-1,146	-612	7,799	-18,942
Net Other Income and Deductions	16,548	28,079	8,117	11,327	30,726	102,099

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
Interest Charges						
Interest on Long-term Debt	161,168	282,699	21,668	68,628	220,840	232,310
Amortization of Debt Discount and Expense	1,641	13,955	230	2,248	3,383	1,609
Amortization of Loss on Recquired Debt	3,641	3	0	0	2,461	3,182
(less) Amortization of Premium on Debt (credit)	44	304	41	30	48	114
(less) Amortization of Gain on Recquired Debt (credit)	145	121	0	0	0	0
Interest on Debt to Associated Companies	0	0	0	0	0	298
Other Interest Expense	10,257	9,352	7,625	3,428	26,754	16,207
(less) Allowance for Borrowed Funds Used During Construction (credit)	5,013	9,291	1,403	2,026	11,685	18,877
Net Interest Charges	171,505	296,293	28,080	72,247	241,735	234,815
Income Before Extraordinary Items	157,780	150,782	44,144	72,844	376,067	571,611
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	2,100	0	0
Net Extraordinary Items	0	0	0	-2,100	0	0
(less) Federal and Other Income Taxes	0	0	0	-700	0	0
Extraordinary Items After Taxes	0	0	0	-1,400	0	0
Net Income	157,780	150,782	44,144	71,444	376,067	571,611
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	238,321	-5,499	88,735	39,820	684,126	1,432,568
Balance Transferred from Income	157,780	133,874	36,577	72,334	376,067	546,852
Credits to Retained Earnings	0	0	0	0	632	0
(less) Debits to Retained Earnings	0	0	0	0	1	0
(less) Appropriations of Retained Earnings	131	8,069	0	0	-30	0
(less) Dividends Declared - Preferred Stock	12,975	45,182	3,823	6,025	31,479	52,477
(less) Dividends Declared - Common Stock	115,225	81,623	29,207	47,147	229,853	307,225
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	0	0
Retained Earnings - End of Year	267,770	-6,498	92,283	58,982	799,523	1,619,718
Appropriated Retained Earnings	0	31,000	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve, Federal	431	930	0	42	0	0
Total Retained Earnings	268,201	25,432	92,283	59,022	799,523	1,619,718

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	North Carolina	North Carolina	North Dakota	Ohio	Ohio	Ohio
Item	Nantahala Power & Light Co	Yadkin Inc	MDU Resources Group Inc	Cincinnati Gas & Electric Co	Cleveland Electric Illum Co	Columbus Southern Power Co
Electric Utility Operating Income						
Electric Operating Revenues	40,906	21,730	126,228	1,016,477	1,591,664	831,363
Electric Operating Expenses						
Operation Expense	25,748	16,339	64,013	432,902	767,460	478,061
Maintenance Expense	3,957	2,374	8,235	91,295	126,778	62,810
Depreciation Expense	3,381	1,232	14,888	74,603	199,502	53,566
Amortization	5	0	417	546	-46,294	0
Taxes Other Than Income Taxes	2,963	632	6,082	101,808	183,120	74,107
Federal Income Taxes	2,367	335	5,559	71,568	63,446	36,686
Other Income Taxes	520	84	982	905	0	0
Provision for Deferred Income Taxes	426	21	10,798	29,712	17,762	27,678
(less) Provision for Deferred Income Taxes (credit)	1,750	0	9,060	23,108	-4,067	30,529
Investment Tax Credit Adjustments (net)	-136	-68	-66	6,736	-8,060	2,923
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	37,481	20,950	101,848	786,966	1,307,779	795,303
Net Electric Utility Operating Income	3,425	781	24,381	229,511	283,885	126,060
Gas Utility Operating Income						
Gas Operating Revenues	0	0	142,310	328,392	0	0
Gas Operating Expenses						
Operation Expenses	0	0	124,441	279,210	0	0
Maintenance Expenses	0	0	2,410	16,711	0	0
Depreciation Expenses	0	0	4,497	8,127	0	0
Amortization	0	0	16	52	0	0
Taxes Other Than Income Taxes	0	0	3,157	25,658	0	0
Federal Income Taxes	0	0	2,915	-4,808	0	0
Other Income Taxes	0	0	512	0	0	0
Provision for Deferred Income Taxes	0	0	10,340	3,749	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	11,498	3,700	0	0
Investment Tax Credit Adjustments (net)	0	0	-5	-42	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	136,784	324,947	0	0
Net Gas Utility Operating Income	0	0	5,525	3,445	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	North Carolina	North Carolina	North Dakota	Ohio	Ohio	Ohio
Item	Nantahala Power & Light Co	Yadkin Inc	MDU Resources Group Inc	Cincinnati Gas & Electric Co	Cleveland Electric Illum Co	Columbus Southern Power Co
Total Utility Operating Income						
Total Utility Operating Revenues	40,906	21,730	268,529	1,344,870	1,591,664	831,363
Total Utility Operating Expenses						
Operation Expenses	25,748	16,339	188,454	712,111	767,460	478,061
Maintenance Expenses	3,957	2,374	10,644	108,006	126,778	62,810
Depreciation Expense	3,381	1,232	19,386	82,730	199,502	53,566
Amortization	5	0	433	593	-46,294	0
Taxes Other Than Income Taxes	2,963	632	9,240	127,486	183,120	74,107
Federal Income Taxes	2,367	335	8,474	66,760	63,446	36,686
Other Income Taxes	520	84	1,494	905	0	0
Provision for Deferred Income Taxes	426	21	21,138	33,452	17,762	27,678
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	1,750	0	20,559	26,808	-4,067	30,529
Investment Tax Credit Adjustments (net)	-136	-68	-71	6,694	-8,060	2,923
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	37,481	20,950	238,632	1,111,913	1,307,779	705,303
Net Utility Operating Income	3,425	781	29,906	232,956	283,885	126,060
Other Income and Deductions						
Other Income						
Nonutility Operating Income	28	0	-70	703	2,169	414
Equity in Earnings of Subsidiary Companies	0	0	19,377	2,870	579	796
Interest and Dividend Income	174	0	9,776	3,993	8,299	2,850
Allowance for Other Funds Used						
During Construction	0	0	0	78,408	8,363	35,539
Miscellaneous Nonoperating Income	3	1	5	-3	228,988	-5
Gain on Disposition of Property	1	0	75	2	1,174	585
Total Other Income	206	1	29,164	85,974	249,571	40,180
Other Income Deductions						
Loss on Disposition of Property	0	0	2	69	10	19
Miscellaneous Amortization	0	0	4	0	0	0
Miscellaneous Income Deductions	136	0	858	2,141	-2,575	837
Total Other Income Deductions	136	0	864	2,210	-2,565	856
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	14	0	0	418	145	229
Federal Income Taxes	17	0	11	-19,119	-31,830	-11,915
Other Income Taxes	4	0	55	0	0	0
Provision for Deferred Income Taxes	0	0	201	95	87,541	176
(less) Provision for Deferred						
Income Taxes (credit)	0	0	265	494	714	1,119
Investment Tax Credit Adjustments (net)	0	0	0	0	0	-46
(less) Investment Tax Credits	0	0	1,368	0	0	0
Total Taxes on Other Income and Deductions	36	0	-1,365	-19,100	55,143	-12,576
Net Other Income and Deductions	34	1	29,665	102,863	196,992	52,000

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	North Carolina Nantahala Power & Light Co	North Carolina Yadkin Inc	North Dakota MDU Resources Group Inc	Ohio Cincinnati Gas & Electric Co	Ohio Cleveland Electric Illum Co	Ohio Columbus Southern Power Co
Interest Charges						
Interest on Long-term Debt	546	0	20,722	116,953	216,560	87,402
Amortization of Debt Discount and Expense	5	0	204	680	1,137	878
Amortization of Loss on Recquired Debt	0	0	236	4,346	2,862	1,123
(less) Amortization of Premium on Debt (credit)	0	0	0	86	56	20
(less) Amortization of Gain on Recquired Debt (credit)	0	0	223	0	345	186
Interest on Debt to Associated Companies	0	0	0	0	5,145	0
Other Interest Expense	583	0	1,972	7,222	10,774	2,864
(less) Allowance for Borrowed Funds Used During Construction (credit)	359	0	81	32,989	7,449	27,376
Net Interest Charges	776	0	22,831	96,127	230,654	64,684
Income Before Extraordinary Items	2,683	781	36,740	239,693	250,223	113,376
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	2,683	781	36,740	239,693	250,223	113,376
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	28,584	1,391	9,812	307,526	457,115	101,109
Balance Transferred from Income	2,683	781	17,363	236,823	249,644	112,580
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	0	1,144	20	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	0	0	856	20,260	40,895	11,951
(less) Dividends Declared - Common Stock	0	0	27,907	115,987	161,662	68,924
Unappropriated Undistributed Subsidiary Earnings	0	0	22,413	1,459	0	397
Retained Earnings - End of Year	31,267	2,173	19,680	409,542	504,202	133,210
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve, Federal	0	0	0	0	0	0
Total Retained Earnings	31,267	2,173	19,680	409,542	504,202	133,210

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Thousand Dollars)**

Item	Ohio Dayton Power & Light Co	Ohio Indiana- Kentucky Electric Corp	Ohio Ohio Edison Co	Ohio Ohio Power Co	Ohio Ohio Valley Electric Corp	Ohio Toledo Edison Co
Electric Utility Operating Income						
Electric Operating Revenues	714,839	135,047	1,860,649	1,496,631	239,502	826,805
Electric Operating Expenses						
Operation Expense	290,196	113,252	816,997	702,297	239,979	445,151
Maintenance Expense	107,421	12,551	150,225	149,132	10,587	60,781
Depreciation Expense	53,735	5,106	144,884	115,116	4,897	91,527
Amortization	421	0	9,815	331	0	-18,491
Taxes Other Than Income Taxes	69,331	3,069	163,556	147,183	4,153	72,124
Federal Income Taxes	36,999	0	57,903	89,363	-15,259	-11,458
Other Income Taxes	163	81	2,414	2,386	-1	0
Provision for Deferred Income Taxes	59,596	0	174,635	62,586	522	109,090
(less) Provision for Deferred Income Taxes (credit)	33,210	0	87,926	45,610	453	61,685
Investment Tax Credit Adjustments (net)	3,627	0	-28,594	-272	-506	-1,960
(less) Gains from Disposition of Utility Plant	0	0	0	315	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	588,280	134,060	1,403,910	1,222,197	243,839	685,080
Net Electric Utility Operating Income	126,559	987	456,939	274,434	-4,337	141,725
Gas Utility Operating Income						
Gas Operating Revenues	239,180	0	0	0	0	0
Gas Operating Expenses						
Operation Expenses	194,816	0	0	0	0	0
Maintenance Expenses	4,463	0	0	0	0	0
Depreciation Expenses	4,924	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	17,395	0	0	0	0	0
Federal Income Taxes	6,559	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	14,031	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	15,987	0	0	0	0	0
Investment Tax Credit Adjustments (net)	-74	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	226,128	0	0	0	0	0
Net Gas Utility Operating Income	13,052	0	0	0	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	7,152	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	4,942	0	0	0	0	0
Maintenance Expenses	1,102	0	0	0	0	0
Depreciation Expense	288	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	904	0	0	0	0	0
Federal Income Taxes	-76	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	280	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	277	0	0	0	0	0
Investment Tax Credit Adjustments (net)	-6	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	7,157	0	0	0	0	0
Net Other Utility Operating Income	-5	0	0	0	0	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Ohio Dayton Power & Light Co	Ohio Indiana Kentucky Electric Corp	Ohio Ohio Edison Co	Ohio Ohio Power Co	Ohio Ohio Valley Electric Corp	Ohio Toledo Edison Co
Total Utility Operating Income						
Total Utility Operating Revenues	961,170	135,047	1,860,849	1,496,631	239,502	826,805
Total Utility Operating Expenses						
Operation Expenses	489,954	113,252	816,997	702,297	239,979	445,151
Maintenance Expenses	112,987	12,551	150,225	149,132	10,587	60,781
Depreciation Expense	58,947	5,106	144,884	115,116	4,897	91,527
Amortization	421	0	9,815	331	0	18,491
Taxes Other Than Income Taxes	87,630	3,069	163,556	147,183	4,153	72,124
Federal Income Taxes	43,483	0	57,903	89,363	-15,259	-11,458
Other Income Taxes	163	81	2,414	2,386	-1	0
Provision for Deferred Income Taxes	73,907	0	174,635	62,586	522	109,090
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	49,474	0	87,926	45,610	453	61,685
Investment Tax Credit Adjustments (net)	3,547	0	28,594	-272	-586	-1,960
(less) Gains from Disposition of Utility Plant	0	0	0	315	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	821,565	134,060	1,403,910	1,222,197	243,839	685,080
Net Utility Operating Income	139,606	987	456,939	274,434	-4,337	141,725
Other Income and Deductions						
Other Income						
Nonutility Operating Income	17	0	44	-126	0	94
Equity in Earnings of Subsidiary Companies	0	0	26,124	17,960	0	0
Interest and Dividend Income	8,437	801	25,572	7,625	2,390	19,714
Allowance for Other Funds Used						
During Construction	55,262	0	2,225	3,029	0	8,570
Miscellaneous Nonoperating Income	-24	13	5,050	1,807	8	83,332
Gain on Disposition of Property	48	0	271	323	0	0
Total Other Income	63,740	814	59,286	30,618	2,398	111,711
Other Income Deductions						
Loss on Disposition of Property	16	0	93	339	0	53
Miscellaneous Amortization	226	0	0	0	0	0
Miscellaneous Income Deductions	761	0	-100	4,999	104	331
Total Other Income Deductions	1,003	0	-7	5,338	104	384
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	295	0	1,038	116	0	91
Federal Income Taxes	-9,862	0	-9,818	1,964	42	-10,129
Other Income Taxes	0	0	-1,390	0	0	0
Provision for Deferred Income Taxes	144	0	10,615	62	0	41,129
(less) Provision for Deferred						
Income Taxes (credit)	1,080	0	33,899	1,365	0	9,335
Investment Tax Credit Adjustments (net)	-34	0	-587	-2,032	0	-691
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	-10,537	0	-34,040	-1,254	42	21,066
Net Other Income and Deductions	73,274	814	93,333	26,534	2,252	90,261

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Ohio Dayton Power & Light Co.	Ohio Indiana Kentucky Electric Corp.	Ohio Edison Co.	Ohio Power Co.	Ohio Valley Electric Corp.	Ohio Toledo Edison Co.
Interest Charges						
Interest on Long-term Debt	87,504	1,649	270,650	90,602	2,150	136,802
Amortization of Debt Discount and Expense	781	152	2,364	397	100	5,493
Amortization of Loss on Recaptured Debt	882	0	2,885	2,275	0	0
(less) Amortization of Premium on Debt (credit)	35	0	69	127	0	0
(less) Amortization of Gain on Recaptured Debt (credit)	0	0	4	0	0	532
Interest on Debt to Associated Companies	0	0	12,873	0	0	0
Other Interest Expense	1,987	0	79,329	2,268	6,192	3,027
(less) Allowance for Borrowed Funds Used During Construction (credit)	22,444	0	20,122	2,624	0	5,479
Net Interest Charges	68,674	1,801	189,247	92,791	-3,942	139,311
 Income Before Extraordinary Items	144,205	0	361,026	208,178	1,857	92,675
 Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
 (less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
 Net Income	144,205	0	361,026	208,178	1,857	92,675
 Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	295,478	0	336,030	310,657	44	89,611
Balance Transferred from Income	144,205	0	334,902	190,218	1,857	92,675
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	187	0	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	10,510	0	28,056	18,112	0	19,037
(less) Dividends Declared - Common Stock	93,475	0	298,968	135,290	1,850	63,285
Unappropriated Undistributed Subsidiary Earnings	58	0	27,676	17,854	0	0
 Retained Earnings - End of Year	245,568	0	371,585	365,326	51	99,965
 Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve - Federal	0	0	0	0	0	0
 Total Retained Earnings	245,568	0	371,585	365,326	51	99,965

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, "FERC Form 1 - Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma	Oregon Fair- Safe Inc	Oregon PacifiCorp	Oregon Portland General Electric Co	Oregon Warm Springs Power Enterprises
Electric Utility Operating Income						
Electric Operating Revenues	1,049,574	586,705	36,244	2,174,858	738,136	7,063
Electric Operating Expenses						
Operation Expense	617,014	356,885	34,833	956,597	358,820	826
Maintenance Expense	69,462	38,887	455	158,683	57,083	12
Depreciation Expense	90,561	51,438	7	196,790	85,271	652
Amortization	1,331	3,041	0	10,986	7,883	0
Taxes Other Than Income Taxes	39,310	24,359	1,346	96,746	57,936	0
Federal Income Taxes	40,576	17,949	0	148,026	51,222	0
Other Income Taxes	6,001	2,558	0	20,336	5,513	0
Provision for Deferred Income Taxes	15,669	19,863	0	46,366	21,020	0
(less) Provision for Deferred Income Taxes (credit)	2,052	11,762	0	22,196	41,184	0
Investment Tax Credit Adjustments (net)	-5,415	-2,796	0	-3,358	40,691	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	1,785	0
Losses from Disposition of Utility Plant	1	0	0	114	0	0
Total Electric Operating Expenses	872,457	500,421	36,641	1,609,090	642,469	1,490
Net Electric Utility Operating Income	177,117	86,284	-396	565,768	95,666	5,573
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	0	0	0
Gas Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expenses	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	0	0	0
Net Gas Utility Operating Income	0	0	0	0	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	867	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	763	0	0
Maintenance Expenses	0	0	0	66	0	0
Depreciation Expense	0	0	0	37	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	22	0	0
Federal Income Taxes	0	0	0	-29	0	0
Other Income Taxes	0	0	0	-4	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	855	0	0
Net Other Utility Operating Income	0	0	0	11	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma	Oregon Fale- Safe Inc	Oregon PacifiCorp	Oregon Portland General Electric Co	Oregon Warm Springs Power Enterprises
Total Utility Operating Income						
Total Utility Operating Revenues	1,049,574	586,705	36,244	2,175,725	738,136	7,063
Total Utility Operating Expenses						
Operation Expenses	617,014	356,885	34,833	957,360	358,820	826
Maintenance Expenses	69,462	38,887	455	158,749	57,083	12
Depreciation Expense	90,561	51,438	7	196,827	85,271	652
Amortization	1,331	3,041	0	10,986	7,883	0
Taxes Other Than Income Taxes	39,310	24,359	1,346	96,768	57,936	0
Federal Income Taxes	40,576	17,949	0	147,997	51,222	0
Other Income Taxes	6,001	2,558	0	20,332	5,513	0
Provision for Deferred Income Taxes	15,669	19,863	0	46,366	21,020	0
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	2,052	11,762	0	22,196	41,184	0
Investment Tax Credit Adjustments (net)	-5,416	-2,796	0	-3,358	40,691	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	1,785	0
Losses from Disposition of Utility Plant	1	0	0	114	0	0
Total Utility Operating Expenses	872,457	500,421	36,641	1,609,946	642,469	1,490
Net Utility Operating Income	177,117	86,284	-396	565,779	95,666	5,573
Other Income and Deductions						
Other income						
Nonutility Operating Income	0	205	0	-2,125	497	0
Equity in Earnings of Subsidiary Companies	14,792	-273	0	108,762	468	0
Interest and Dividend Income	1,194	621	400	22,324	2,248	276
Allowance for Other Funds Used						
During Construction	2,121	553	0	10,515	1,946	0
Miscellaneous Nonoperating Income	0	14	0	10,909	9,328	0
Gain on Disposition of Property	1,301	0	0	6,766	-34,065	0
Total Other Income	19,408	1,126	400	157,151	-19,577	276
Other Income Deductions						
Loss on Disposition of Property	2	0	0	99	7	0
Miscellaneous Amortization	509	173	0	12,837	417	0
Miscellaneous Income Deductions	2,341	683	0	8,851	5,517	0
Total Other Income Deductions	2,852	855	0	21,787	5,942	0
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	0	0	265	1,358	0
Federal Income Taxes	-113	-1,712	0	-31,382	-1,710	0
Other Income Taxes	-16	0	0	-9,388	-483	0
Provision for Deferred Income Taxes	0	927	0	44,894	3,939	0
(less) Provision for Deferred						
Income Taxes (credit)	0	127	0	1,277	9,935	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	0	0	0	2,679	2,076	0
Total Taxes on Other Income and Deductions	-129	-912	0	432	-8,908	0
Net Other Income and Deductions	16,685	1,183	400	134,932	-16,611	276

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma	Oregon Fair- Safe Inc	Oregon PacifiCorp	Oregon Portland General Electric Co	Oregon Warm Springs Power Enterprises
Interest Charges						
Interest on Long-term Debt	62,814	30,545	0	213,695	69,369	1,545
Amortization of Debt Discount and Expense	404	156	0	3,575	539	0
Amortization of Loss on Recquired Debt	85	407	0	10,369	3,710	0
(less) Amortization of Premium on Debt (credit)	62	0	0	37	0	0
(less) Amortization of Gain on Recquired Debt (credit)	0	35	0	3,974	13	0
Interest on Debt to Associated Companies	0	1,334	0	103	0	0
Other Interest Expense	3,919	2,052	3	23,301	4,375	0
(less) Allowance for Borrowed Funds (Used During Construction (credit))	2,796	931	0	11,942	2,000	0
Net Interest Charges	64,364	33,528	3	235,089	75,982	1,545
Income Before Extraordinary Items	129,438	53,939	0	465,622	3,074	4,304
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	129,438	53,939	0	465,622	3,074	4,304
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	307,257	38,157	1	87,116	163,132	1,648
Balance Transferred from Income	114,646	54,211	0	356,860	2,605	4,304
Credits to Retained Earnings	36	0	0	0	0	0
(less) Debits to Retained Earnings	3,066	0	0	7,280	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	1,343
(less) Dividends Declared - Preferred Stock	2,518	816	0	24,292	13,232	0
(less) Dividends Declared - Common Stock	99,740	53,001	1	340,974	90,628	3,100
Unappropriated Undistributed Subsidiary Earnings	13,922	0	0	0	0	0
Retained Earnings - End of Year	330,538	38,552	0	71,429	61,877	1,509
Appropriated Retained Earnings	0	0	0	0	0	4,082
Appropriated Retained Earnings Amortization Reserve - Federal	0	0	0	3,183	841	0
Total Retained Earnings	330,538	38,552	0	74,612	62,718	5,592

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania
Item	Duquesne Light Co	Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Philadelphia Electric Co
Electric Utility Operating Income						
Electric Operating Revenues	1,118,076	650,672	759,714	2,354,770	302,038	2,997,878
Electric Operating Expenses						
Operation Expense	489,660	318,917	345,113	933,219	132,080	1,356,032
Maintenance Expense	83,305	63,919	73,807	233,713	28,870	265,078
Depreciation Expense	102,098	71,769	84,129	198,096	28,324	254,727
Amortization	17,278	14	1,252	636	39	-355
Taxes Other Than Income Taxes	92,889	37,602	49,353	164,239	19,493	215,140
Federal Income Taxes	5,523	28,340	41,714	81,997	1,038	44,595
Other Income Taxes	-1,201	8,722	12,305	29,506	0	8,857
Provision for Deferred Income Taxes	102,666	46,845	24,503	134,971	27,208	185,090
(less) Provision for Deferred						
Income Taxes (credit)	35,853	36,875	14,430	51,340	7,430	53,566
Investment Tax Credit Adjustments (net)	-4,760	-3,118	-2,726	14,217	-1,172	-19,858
(less) Gains from Disposition of Utility Plant	0	0	0	280	0	836
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	851,605	536,134	615,020	1,738,973	228,450	2,254,903
Net Electric Utility Operating Income	266,471	114,538	144,694	615,796	73,588	742,975
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	0	0	385,653
Gas Operating Expenses						
Operation Expenses	0	0	0	0	0	249,073
Maintenance Expenses	0	0	0	0	0	14,583
Depreciation Expenses	0	0	0	0	0	18,758
Amortization	0	0	0	0	0	821
Taxes Other Than Income Taxes	0	0	0	0	0	20,259
Federal Income Taxes	0	0	0	0	0	8,839
Other Income Taxes	0	0	0	0	0	5,117
Provision for Deferred Income Taxes	0	0	0	0	0	4,915
(less) Provision for Deferred						
Income Taxes (credit)	0	0	0	0	0	-7,678
Investment Tax Credit Adjustments (net)	0	0	0	0	0	-334
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	0	0	329,710
Net Gas Utility Operating Income	0	0	0	0	0	55,943
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	1,055	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	916	0	0	0
Maintenance Expenses	0	0	200	0	0	0
Depreciation Expense	0	0	2,903	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	17	0	0	0
Federal Income Taxes	0	0	-827	0	0	0
Other Income Taxes	0	0	-226	0	0	0
Provision for Deferred Income Taxes	0	0	222	0	0	0
(less) Provision for Deferred						
Income Taxes (credit)	0	0	433	0	0	0
Investment Tax Credit Adjustments (net)	0	0	-171	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	2,600	0	0	0
Net Other Utility Operating Income	0	0	-1,545	0	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Pennsylvania Duquesne Light Co	Pennsylvania Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Pennsylvania Philadelphia Electric Co
Total Utility Operating Income						
Total Utility Operating Revenues	1,118,076	650,672	760,769	2,354,770	302,038	3,383,532
Total Utility Operating Expenses						
Operation Expenses	489,660	318,917	346,029	933,219	132,080	1,605,106
Maintenance Expenses	83,305	63,919	74,007	233,713	28,870	279,662
Depreciation Expense	102,098	71,769	87,032	198,096	28,324	273,485
Amortization	17,278	14	1,252	636	39	466
Taxes Other Than Income Taxes	92,889	37,602	49,370	164,239	19,493	235,398
Federal Income Taxes	5,523	28,340	40,887	81,997	1,038	53,424
Other Income Taxes	-1,201	8,722	12,079	29,506	0	13,974
Provision for Deferred Income Taxes	102,666	46,845	24,725	134,971	27,208	190,005
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	35,853	36,875	14,863	51,340	7,430	45,888
Investment Tax Credit Adjustments (net)	-4,790	-3,118	-2,697	14,217	-1,172	-20,192
(less) Gains from Disposition of Utility Plant	0	0	0	280	0	836
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	851,605	536,134	617,620	1,732,973	228,450	2,584,613
Net Utility Operating Income	266,471	114,538	143,149	615,796	73,588	798,918
Other Income and Deductions						
Other Income						
Nonutility Operating Income	98	2	-2	3	1	468
Equity in Earnings of Subsidiary Companies	-165	651	21	2,654	0	11,427
Interest and Dividend Income	13,173	11,568	6,040	5,062	3,358	3,872
Allowance for Other Funds Used						
During Construction	68	2,456	2,847	2,728	428	121,770
Miscellaneous Nonoperating Income	30,343	10,474	4,954	194	7	105,736
Gain on Disposition of Property	243	205	606	63	23	3,194
Total Other Income	43,760	25,356	14,466	10,703	3,816	246,467
Other Income Deductions						
Loss on Disposition of Property	4,519	0	7	11	10	61
Miscellaneous Amortization	3,119	0	0	0	0	0
Miscellaneous Income Deductions	10,003	733	608	10,567	237	4,210
Total Other Income Deductions	17,641	734	616	10,577	247	4,271
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	2	12	132	0	601
Federal Income Taxes	7,328	2,852	1,209	-3,009	43	-1,319
Other Income Taxes	2,002	779	330	-874	0	-17,480
Provision for Deferred Income Taxes	0	5,163	4,198	701	2,460	23,993
(less) Provision for Deferred						
Income Taxes (credit)	0	1,424	1,019	276	1,196	62,377
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	459	0	0	0	0	0
Total Taxes on Other Income and Deductions	8,871	7,371	4,730	-3,326	1,308	-56,581
Net Other Income and Deductions	17,248	17,252	9,121	3,452	2,261	298,777

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania Duquesne Light Co.	Pennsylvania Metropolitan Edison Co.	Pennsylvania Pennsylvania Electric Co.	Pennsylvania Pennsylvania Power & Light Co.	Pennsylvania Pennsylvania Power Co.	Pennsylvania Philadelphia Electric Co.
Interest Charges						
Interest on Long-term Debt	140,623	32,049	41,935	250,948	39,962	558,742
Amortization of Debt Discount and Expense	4,100	204	275	1,528	425	3,111
Amortization of Loss on Recaptured Debt	0	15	355	3,666	155	8,780
(less) Amortization of Premium on Debt (credit)	7	31	83	49	19	48
(less) Amortization of Gain on Recaptured Debt (credit)	83	469	454	71	0	1,116
Interest on Debt to Associated Companies	0	0	0	0	3,648	0
Other Interest Expense	12,453	10,995	8,644	17,386	743	86,412
(less) Allowance for Borrowed Funds Used During Construction (credit)	2,804	1,038	2,890	7,597	3,725	148,591
Net Interest Charges	154,292	41,626	47,782	265,812	41,189	507,289
Income Before Extraordinary Items	129,437	90,164	104,488	353,436	34,660	590,407
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	129,437	90,164	104,488	353,436	34,660	590,407
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	294,122	146,503	219,525	718,003	88,930	369,033
Balance Transferred from Income	129,602	89,513	104,467	350,783	34,660	578,980
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	0	0	6,002	0	223
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	16,793	10,289	8,814	48,419	10,656	96,448
(less) Dividends Declared - Common Stock	105,356	80,000	100,000	215,386	27,676	459,549
Unappropriated Undistributed Subsidiary Earnings	168	0	0	2,548	0	6,967
Retained Earnings - End of Year	301,743	145,727	215,178	801,529	85,257	398,760
Appropriated Retained Earnings	0	111	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve - Federal	0	0	262	3,063	0	0
Total Retained Earnings	301,743	145,919	215,440	804,592	85,257	398,760

Note: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
Item	Safe Harbor Water Power Corp.	Susquehanna Electric Co.	UGI Corp.	West Penn Power Co.	York Haven Power Co.	Blackstone Valley Electric Co.
Electric Utility Operating Income						
Electric Operating Revenues	28,713	21,536	58,454	991,824	3,256	121,891
Electric Operating Expenses						
Operation Expense	5,281	17,154	39,348	649,334	1,131	103,381
Maintenance Expense	2,250	3,800	3,921	78,167	532	2,796
Depreciation Expense	3,314	0	2,583	62,428	375	3,483
Amortization	0	0	7	0	0	5
Taxes Other Than Income Taxes	1,492	428	3,563	62,846	238	7,922
Federal Income Taxes	-1,124	0	2,144	23,191	302	-1,095
Other Income Taxes	556	154	584	3,708	80	-14
Provision for Deferred Income Taxes	2,100	0	466	20,396	37	2,328
(less) Provision for Deferred Income Taxes (credit)	85	0	101	19,950	0	1,453
Investment Tax Credit Adjustments (net)	702	0	-89	-2,558	-3	-169
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	16,735	21,536	52,486	877,764	2,691	117,183
Net Electric Utility Operating Income	11,978	0	5,968	114,060	565	4,709
Gas Utility Operating Income						
Gas Operating Revenues	0	0	254,888	0	0	0
Gas Operating Expenses						
Operation Expenses	0	0	173,125	0	0	0
Maintenance Expenses	0	0	7,569	0	0	0
Depreciation Expenses	0	0	11,059	0	0	0
Amortization	0	0	157	0	0	0
Taxes Other Than Income Taxes	0	0	14,296	0	0	0
Federal Income Taxes	0	0	6,595	0	0	0
Other Income Taxes	0	0	1,795	0	0	0
Provision for Deferred Income Taxes	0	0	10,179	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	4,170	0	0	0
Investment Tax Credit Adjustments (net)	0	0	-377	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	220,229	0	0	0
Net Gas Utility Operating Income	0	0	34,659	0	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
Item	Safe Harbor Water Power Corp	Susquehanna Electric Co	UGI Corp	West Penn Power Co	York Haven Power Co	Blackston Valley Electric Co
Total Utility Operating Income						
Total Utility Operating Revenues	28,713	21,536	313,342	991,824	3,256	121,891
Total Utility Operating Expenses						
Operation Expenses	5,281	17,154	212,474	649,334	1,131	103,381
Maintenance Expenses	2,250	3,800	11,550	78,167	532	2,196
Depreciation Expense	3,314	0	13,642	62,428	375	3,483
Amortization	0	0	164	0	0	5
Taxes Other Than Income Taxes	1,492	428	17,859	62,846	238	7,322
Federal Income Taxes	1,124	0	8,738	23,391	302	-1,035
Other Income Taxes	556	154	2,379	3,708	80	-15
Provision for Deferred Income Taxes	2,100	0	10,645	20,396	37	2,108
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	85	0	4,271	19,950	0	1,413
Investment Tax Credit Adjustments (net)	702	0	-465	-2,558	-3	-169
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	16,735	21,536	272,714	877,764	2,681	117,183
Net Utility Operating Income	11,978	0	40,628	114,060	565	4,709
Other Income and Deductions						
Other Income						
Nonutility Operating Income	14	0	288	41	0	1
Equity in Earnings of Subsidiary Companies	0	0	14,901	-5,602	0	0
Interest and Dividend Income	704	0	1,023	45,870	52	3
Allowance for Other Funds Used						
During Construction	1	0	0	1,925	35	0
Miscellaneous Nonoperating Income	0	0	-5,052	85	0	1
Gain on Disposition of Property	0	0	6	5	0	11
Total Other Income	719	0	11,166	42,324	87	15
Other Income Deductions						
Loss on Disposition of Property	0	0	0	1	0	0
Miscellaneous Amortization	0	0	0	68	0	0
Miscellaneous Income Deductions	10	0	335	636	0	108
Total Other Income Deductions	10	0	335	705	0	108
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	10	0	152	110	0	0
Federal Income Taxes	171	-1	-3,365	692	0	-38
Other Income Taxes	44	0	-828	155	0	0
Provision for Deferred Income Taxes	0	0	-74	6	0	0
(less) Provision for Deferred						
Income Taxes (credit)	0	0	144	120	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	224	-1	-4,259	843	0	-38
Net Other Income and Deductions	485	1	15,089	40,776	87	-54

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
Item	Sate Harbor Water Power Corp	Susquehanna Electric Co	UGI Corp	West Penn Power Co	York Haven Power Co	Blackstone Valley Electric Co
Interest Charges						
Interest on Long-term Debt	4,675	0	11,648	43,669	0	3,816
Amortization of Debt Discount and Expense	25	0	126	205	0	100
Amortization of Loss on Recquired Debt	0	0	0	43	0	0
(less) Amortization of Premium on Debt (credit)	0	0	4	61	0	0
(less) Amortization of Gain on Reacquired Debt (credit)	0	0	0	0	0	0
Interest on Debt to Associated Companies	0	4	0	0	0	0
Other Interest Expense	0	0	7,632	2,098	0	1,278
(less) Allowance for Borrowed Funds Used During Construction (credit)	1	0	53	1,066	0	179
Net Interest Charges	4,700	4	19,348	44,887	0	5,015
Income Before Extraordinary Items	7,764	-2	36,369	109,949	651	-360
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	7,764	-2	36,369	109,949	651	-360
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	33,512	46	109,438	335,788	3,257	8,732
Balance Transferred from Income	7,764	-2	21,468	93,853	651	-360
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	0	7	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	377	0	0
(less) Dividends Declared - Preferred Stock	0	0	3,161	7,136	0	289
(less) Dividends Declared - Common Stock	7,644	0	22,146	75,250	0	1,710
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	0	0
Retained Earnings - End of Year	33,632	43	105,553	346,878	3,908	6,373
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve, Federal	0	0	0	377	191	0
Total Retained Earnings	33,632	43	105,553	347,255	4,100	6,373

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Rhode Island	Rhode Island	South Carolina	South Carolina	South Carolina	South Dakota
Item	Narragansett Electric Co	Newport Electric Corp	Lockhart Power Co	South Carolina Electric & Gas Co	South Carolina Generating Co Inc	Black Hills Corp
Electric Utility Operating Income						
Electric Operating Revenues	355,029	52,293	15,015	822,718	86,001	90,382
Electric Operating Expenses						
Operation Expense	265,451	40,734	12,560	393,469	60,010	54,525
Maintenance Expense	21,419	2,020	577	67,025	3,195	6,057
Depreciation Expense	15,500	1,949	450	79,252	6,058	6,687
Amortization	0	50	0	4,976	0	0
Taxes Other Than Income Taxes	27,593	2,980	375	46,398	3,803	4,283
Federal Income Taxes	4,833	129	297	30,147	-1,880	3,735
Other Income Taxes	0	1	55	4,004	-300	6
Provision for Deferred Income Taxes	1,870	616	44	49,244	4,391	1,178
(less) Provision for Deferred						
Income Taxes (credit)	4,375	159	0	29,771	1,097	0
Investment Tax Credit Adjustments (net)	-536	-4	-19	-3,664	-305	-512
(less) Gains from Disposition of Utility Plant	0	290	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	331,752	48,027	14,340	641,080	73,876	75,959
Net Electric Utility Operating Income	23,277	4,266	675	181,637	12,125	14,423
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	153,206	0	0
Gas Operating Expenses						
Operation Expenses	0	0	0	126,238	0	0
Maintenance Expenses	0	0	0	3,235	0	0
Depreciation Expenses	0	0	0	7,894	0	0
Amortization	0	0	0	18	0	0
Taxes Other Than Income Taxes	0	0	0	5,280	0	0
Federal Income Taxes	0	0	0	-1,291	0	0
Other Income Taxes	0	0	0	-307	0	0
Provision for Deferred Income Taxes	0	0	0	8,631	0	0
(less) Provision for Deferred						
Income Taxes (credit)	0	0	0	4,818	0	0
Investment Tax Credit Adjustments (net)	0	0	0	-196	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	144,682	0	0
Net Gas Utility Operating Income	0	0	0	8,524	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	96	4,102	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	64	8,201	0	0
Maintenance Expenses	0	0	44	2,843	0	0
Depreciation Expense	0	0	5	354	0	0
Amortization	0	0	0	1	0	0
Taxes Other Than Income Taxes	0	0	5	573	0	0
Federal Income Taxes	0	0	-8	-2,514	0	0
Other Income Taxes	0	0	-1	-389	0	0
Provision for Deferred Income Taxes	0	0	1	218	0	0
(less) Provision for Deferred						
Income Taxes (credit)	0	0	0	82	0	0
Investment Tax Credit Adjustments (net)	0	0	0	-21	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	110	9,185	0	0
Net Other Utility Operating Income	0	0	-14	-3,082	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Rhode Island	Rhode Island	South Carolina	South Carolina	South Carolina	South Dakota
Item	Narragansett Electric Co	Newport Electric Corp	Lockhart Power Co	South Carolina Electric & Gas Co	South Carolina Generating Co Inc	Black Hills Corp
Total Utility Operating Income						
Total Utility Operating Revenues	355,029	52,293	15,111	980,026	86,001	90,382
Total Utility Operating Expenses						
Operation Expenses	265,451	40,734	12,625	527,908	60,010	54,525
Maintenance Expenses	21,419	2,020	621	73,103	3,195	6,057
Depreciation Expense	15,500	1,949	455	87,499	6,058	6,687
Amortization	0	50	0	4,996	0	0
Taxes Other Than Income Taxes	27,593	2,980	380	52,251	3,803	4,283
Federal Income Taxes	4,833	129	289	26,343	-1,880	3,735
Other Income Taxes	0	1	54	3,308	-300	6
Provision for Deferred Income Taxes	1,870	616	45	58,092	4,391	1,178
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	4,379	159	0	34,672	1,097	0
Investment Tax Credit Adjustments (net)	-536	-4	-19	-3,881	-305	-512
(less) Gains from Disposition of Utility Plant	0	290	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	331,752	48,027	14,450	794,947	73,676	75,959
Net Utility Operating Income	23,277	4,266	662	185,079	12,125	14,423
Other Income and Deductions						
Other Income						
Nonutility Operating Income	61	-284	0	542	0	0
Equity in Earnings of Subsidiary Companies	0	0	0	0	0	10,035
Interest and Dividend Income	34	85	99	2,152	637	682
Allowance for Other Funds Used						
During Construction	0	46	0	1,931	22	41
Miscellaneous Nonoperating Income	0	21	19	2,836	0	44
Gain on Disposition of Property	0	-11	0	478	0	0
Total Other Income	94	-143	117	7,939	659	10,802
Other Income Deductions						
Loss on Disposition of Property	1	0	0	0	0	0
Miscellaneous Amortization	0	1	0	0	0	0
Miscellaneous Income Deductions	462	66	1	4,760	59	104
Total Other Income Deductions	463	67	1	4,760	59	104
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	20	0	3	382	0	0
Federal Income Taxes	-144	-84	57	357	0	0
Other Income Taxes	0	0	3	55	0	0
Provision for Deferred Income Taxes	0	0	0	47	0	0
(less) Provision for Deferred						
Income Taxes (credit)	0	0	0	992	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	0	82	0	0	0	0
Total Taxes on Other Income and Deductions	-124	-166	63	-151	0	0
Net Other Income and Deductions	-245	-13	54	3,330	600	10,698

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Rhode Island Narragansett Electric Co	Rhode Island Newport Electric Corp	South Carolina Lockhart Power Co	South Carolina South Carolina Electric & Gas Co	South Carolina South Carolina Generating Co Inc	South Dakota Black Hills Corp
Interest Charges						
Interest on Long-term Debt	10,461	2,892	0	69,373	9,513	3,982
Amortization of Debt Discount and Expense	182	60	0	381	26	38
Amortization of Loss on Recquired Debt	377	0	0	267	13	33
(less) Amortization of Premium on Debt (credit)	4	0	0	0	0	0
(less) Amortization of Gain on Reacquired Debt (credit)	0	0	0	20	0	0
Interest on Debt to Associated Companies	968	0	0	3,415	202	0
Other Interest Expense	1,149	346	3	5,254	0	38
(less) Allowance for Borrowed Funds Used During Construction (credit)	682	78	0	3,934	66	67
Net Interest Charges	12,450	3,219	3	74,736	9,688	4,025
Income Before Extraordinary Items	10,582	1,004	713	113,673	3,037	21,055
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	10,582	1,004	713	113,673	3,037	21,096
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	38,034	1,384	7,063	176,122	3,378	25,638
Balance Transferred from Income	10,582	1,004	713	113,673	3,037	11,061
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	0	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	1,097	0	0
(less) Dividends Declared - Preferred Stock	1,553	94	0	7,264	0	0
(less) Dividends Declared - Common Stock	5,549	1,415	0	87,000	3,500	13,857
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	0	7,000
Retained Earnings - End of Year	41,514	878	7,776	194,435	2,915	29,842
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings Amortization Reserve - Federal	0	0	0	5,871	0	0
Total Retained Earnings	41,514	878	7,776	200,306	2,915	29,842

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	South Dakota Northwestern Public Service Co	Tennessee Kingsport Power Co	Tennessee Tapoco Inc	Texas Central Power & Light Co	Texas El Paso Electric Co	Texas Gulf States Utilities Co
Electric Utility Operating Income						
Electric Operating Revenues	63,689	67,248	10,673	836,585	426,248	1,562,139
Electric Operating Expenses						
Operation Expense	24,629	55,334	13,775	518,908	275,785	873,506
Maintenance Expense	4,722	1,900	3,509	61,435	25,620	113,301
Depreciation Expense	8,517	1,683	1,153	110,067	34,282	170,254
Amortization	72	0	0	-120,902	-1,363	-51,225
Taxes Other Than Income Taxes	4,703	3,233	785	43,196	34,902	88,376
Federal Income Taxes	4,821	1,531	-162	-60,622	-4,058	0
Other Income Taxes	145	0	-80	622	2,274	0
Provision for Deferred Income Taxes	1,205	445	-446	102,806	69,148	113,676
(less) Provision for Deferred Income Taxes (credit)	1,190	539	0	-25,088	34,430	72,015
Investment Tax Credit Adjustments (net)	-569	-323	92	-5,619	-18,656	-4,159
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	185
Losses from Disposition of Utility Plant	0	0	0	0	0	2,095
Total Electric Operating Expenses	47,056	63,264	18,627	674,979	383,504	1,233,624
Net Electric Utility Operating Income	16,634	3,984	-7,954	161,606	42,743	328,515
Gas Utility Operating Income						
Gas Operating Revenues	52,272	0	0	0	0	36,338
Gas Operating Expenses						
Operation Expenses	45,026	0	0	0	0	30,336
Maintenance Expenses	818	0	0	0	0	1,456
Depreciation Expenses	1,359	0	0	0	0	1,366
Amortization	31	0	0	0	0	0
Taxes Other Than Income Taxes	1,088	0	0	0	0	2,484
Federal Income Taxes	1,248	0	0	0	0	0
Other Income Taxes	95	0	0	0	0	0
Provision for Deferred Income Taxes	171	0	0	0	0	113
(less) Provision for Deferred Income Taxes (credit)	60	0	0	0	0	154
Investment Tax Credit Adjustments (net)	-70	0	0	0	0	-32
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	49,707	0	0	0	0	35,568
Net Gas Utility Operating Income	2,565	0	0	0	0	770
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	69,200
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	67,311
Maintenance Expenses	0	0	0	0	0	5,813
Depreciation Expense	0	0	0	0	0	2,938
Amortization	0	0	0	0	0	-2,244
Taxes Other Than Income Taxes	0	0	0	0	0	781
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	2,560
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	5,991
Investment Tax Credit Adjustments (net)	0	0	0	0	0	-233
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	70,935
Net Other Utility Operating Income	0	0	0	0	0	-1,735

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	South Dakota	Tennessee	Tennessee	Texas	Texas	Texas
Item	Northwestern Public Service Co	Kingsport Power Co	Tapoco Inc	Central Power & Light Co	El Paso Electric Co	Gulf States Utilities Co
Total Utility Operating Income						
Total Utility Operating Revenues	115,961	67,248	10,673	836,585	426,248	1,667,677
Total Utility Operating Expenses						
Operation Expenses	69,655	55,334	13,775	518,908	275,785	971,152
Maintenance Expenses	5,540	1,900	3,509	61,435	25,620	120,570
Depreciation Expense	9,876	1,683	1,153	110,067	34,282	174,558
Amortization	103	0	0	120,902	-1,363	-53,469
Taxes Other Than Income Taxes	5,791	3,233	785	43,196	34,902	91,641
Federal Income Taxes	6,069	1,531	-162	-60,622	-4,058	0
Other Income Taxes	240	0	-80	622	2,274	0
Provision for Deferred Income Taxes	1,376	445	-446	102,806	69,148	116,349
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	1,250	539	0	-25,088	34,430	78,160
Investment Tax Credit Adjustments (net)	-638	-323	92	-5,619	-18,656	-4,424
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	185
Losses from Disposition of Utility Plant	0	0	0	0	0	2,095
Total Utility Operating Expenses	96,763	63,264	18,627	674,979	383,504	1,340,127
Net Utility Operating Income	19,198	3,984	-7,954	161,606	42,743	327,550
Other Income and Deductions						
Other Income						
Nonutility Operating Income	75	15	-185	-43	-408	216
Equity in Earnings of Subsidiary Companies	83	0	0	0	-72,388	-20,074
Interest and Dividend Income	2,577	170	0	3,256	-16,407	25,161
Allowance for Other Funds Used						
During Construction	29	0	0	24,923	12,578	875
Miscellaneous Nonoperating Income	2,432	-2	-80	306,488	16,718	6,062
Gain on Disposition of Property	4	0	0	116	0	1,068
Total Other Income	5,200	183	-265	334,740	-59,907	13,308
Other Income Deductions						
Loss on Disposition of Property	0	0	0	12	0	0
Miscellaneous Amortization	0	0	0	306	0	0
Miscellaneous Income Deductions	974	86	1	2,148	54,758	25,091
Total Other Income Deductions	974	86	1	2,465	54,758	25,091
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	5	14	195	24	127
Federal Income Taxes	-1,982	30	0	1,536	1,850	0
Other Income Taxes	0	0	23	0	-9,427	1,140
Provision for Deferred Income Taxes	2,485	0	0	74,255	29,218	2,440
(less) Provision for Deferred						
Income Taxes (credit)	0	0	0	801	32,350	-1,611
Investment Tax Credit Adjustments (net)	0	-15	-1	0	-12,121	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	503	20	35	75,185	-22,805	5,318
Net Other Income and Deductions	3,722	78	-301	257,089	-91,861	-17,100

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	South Dakota Northwestern Public Service Co	Tennessee Kingsport Power Co	Tennessee Tapoco Inc	Texas Central Power & Light Co	Texas El Paso Electric Co	Texas Gulf States Utilities Co
Interest Charges						
Interest on Long-term Debt	6,739	1,885	0	129,535	62,497	286,778
Amortization of Debt Discount and Expense	92	0	0	1,331	450	2,235
Amortization of Loss on Recquired Debt	0	0	0	2,822	80	98
(less) Amortization of Premium on Debt (credit)	0	0	0	0	2	53
(less) Amortization of Gain on Recquired Debt (credit)	0	0	0	44	0	0
Interest on Debt to Associated Companies	0	0	0	773	0	0
Other Interest Expense	74	129	0	7,536	11,010	10,403
(less) Allowance for Borrowed Funds Used During Construction (credit)	19	13	0	15,168	17,319	2,262
Net Interest Charges	6,886	2,001	0	126,789	56,716	297,196
Income Before Extraordinary Items	16,035	2,061	-8,255	291,907	-105,834	13,251
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	99,933
Net Extraordinary Items	0	0	0	0	0	-99,933
(less) Federal and Other Income Taxes	0	0	0	0	0	-41,109
Extraordinary Items After Taxes	0	0	0	0	0	-58,824
Net Income	16,035	2,061	-8,255	291,907	-105,834	-45,573
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	35,465	2,847	-1,146	720,957	237,468	922,522
Balance Transferred from Income	15,952	2,061	-8,255	291,907	-33,445	-31,853
Credits to Retained Earnings	0	0	0	0	567	0
(less) Debits to Retained Earnings	0	0	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	0	0	0	24,558	11,812	35,143
(less) Dividends Declared - Common Stock	11,347	1,542	0	50,000	13,353	0
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	0	0
Retained Earnings - End of Year	40,070	3,366	-9,401	938,305	179,425	855,526
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings Amortization Reserve - Federal	0	0	0	0	0	0
Total Retained Earnings	40,070	3,366	-9,401	938,305	179,425	855,526

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Texas Houston Lighting & Power Co	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Texas Utilities Electric Co	Texas Texas- New Mexico Power Co	Texas West Texas Utilities Co
Electric Utility Operating Income						
Electric Operating Revenues	3,118,735	58,921	821,528	4,318,565	378,289	331,324
Electric Operating Expenses						
Operation Expense	1,868,630	46,159	509,838	2,378,677	303,249	194,074
Maintenance Expense	184,709	1,698	22,124	259,693	7,970	16,466
Depreciation Expense	296,279	2,470	55,572	240,466	15,973	25,926
Amortization	-114,237	0	496	0	0	874
Taxes Other Than Income Taxes	157,034	2,615	25,503	299,588	15,661	17,101
Federal Income Taxes	101,243	1,380	42,546	117,248	5,642	12,138
Other Income Taxes	0	0	1,627	0	273	0
Provision for Deferred Income Taxes	116,395	205	26,580	173,337	6,739	15,950
(less) Provision for Deferred Income Taxes (credit)	6,111	0	15,029	170,086	4,805	8,990
Investment Tax Credit Adjustments (net)	-31,082	-119	-612	26,090	-946	-1,657
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	2,572,860	54,408	668,644	3,325,012	349,755	271,881
Net Electric Utility Operating Income	545,874	4,513	152,884	993,552	28,534	59,443
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	0	0	0
Gas Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expenses	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	0	0	0
Net Gas Utility Operating Income	0	0	0	0	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Texas Houston Lighting & Power Co	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Texas Utilities Electric Co	Texas Texas New Mexico Power Co	Texas West Texas Utilities Co
Total Utility Operating Income						
Total Utility Operating Revenues	3,118,735	58,321	621,528	4,318,565	378,289	331,324
Total Utility Operating Expenses						
Operation Expenses	1,868,630	46,159	509,838	2,378,677	303,249	194,074
Maintenance Expenses	184,709	1,698	22,124	259,693	7,970	16,466
Depreciation Expense	296,279	2,470	55,572	240,466	15,973	25,926
Amortization	-114,237	0	496	0	0	874
Taxes Other Than Income Taxes	157,034	2,615	25,503	299,588	15,661	17,101
Federal Income Taxes	101,243	1,380	42,546	117,248	5,642	12,138
Other Income Taxes	0	0	1,627	0	273	0
Provision for Deferred Income Taxes	116,396	205	26,580	173,337	6,739	15,950
(less) Provision for Deferred Income Taxes Income Taxes (credit)	6,111	0	15,029	170,086	4,805	8,990
Investment Tax Credit Adjustments (net)	-31,082	-119	-612	26,090	-946	-1,657
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	2,572,860	54,408	668,644	3,325,012	349,755	271,881
Net Utility Operating Income	545,874	4,513	152,884	993,552	28,534	59,443
Other Income and Deductions						
Other Income						
Nonutility Operating Income	0	0	-50	0	28	79
Equity in Earnings of Subsidiary Companies	0	0	2,787	0	0	0
Interest and Dividend Income	7,916	100	8,345	6,303	160	1,625
Allowance for Other Funds Used						
During Construction	18,052	16	576	331,365	0	46
Miscellaneous Nonoperating Income	959	246	116	1,398	5	-2
Gain on Disposition of Property	151,707	0	104	86	-19	0
Total Other Income	178,634	362	11,879	339,153	173	1,748
Other Income Deductions						
Loss on Disposition of Property	0	0	5	-5	0	0
Miscellaneous Amortization	0	0	67	0	0	102
Miscellaneous Income Deductions	16,900	34	965	1,181	240	353
Total Other Income Deductions	16,900	34	1,037	1,175	240	455
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	0	0	2	0	4	105
Federal Income Taxes	0	0	1,120	2,113	-23	-762
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	290	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	193	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Investment Tax Credits	0	0	13,390	0	0	0
Total Taxes on Other Income and Deductions	0	0	-12,267	2,210	-19	-656
Net Other Income and Deductions	161,735	328	23,109	335,768	-48	1,949

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Texas Houston Lighting & Power Co	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Texas Utilities Electric Co	Texas Texas New Mexico Power Co	Texas West Texas Utilities Co
Interest Charges						
Interest on Long-term Debt	311,116	1,692	48,579	577,568	11,425	21,699
Amortization of Debt Discount and Expense	2,860	9	567	3,394	74	59
Amortization of Loss on Recquired Debt	1,823	0	480	3,656	224	854
(less) Amortization of Premium on Debt (credit)	147	0	14	80	4	0
(less) Amortization of Gain on Recquired Debt (credit)	0	0	0	0	0	0
Interest on Debt to Associated Companies	0	0	0	20,542	0	1,477
Other Interest Expense	13,806	32	1,667	12,888	1,904	151
(less) Allowance for Borrowed Funds Used During Construction (credit)	35,111	8	162	174,824	451	195
Net Interest Charges	294,348	1,725	51,117	443,145	13,171	24,046
Income Before Extraordinary Items	413,261	3,116	124,877	886,176	15,315	37,347
Extraordinary Items						
Extraordinary Income	70,303	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	70,303	0	0	0	0	0
(less) Federal and Other Income Taxes	1,804	0	0	0	0	0
Extraordinary Items After Taxes	68,499	0	0	0	0	0
Net Income	481,760	3,116	124,877	886,176	15,315	37,347
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year:	1,428,139	18,674	276,506	2,012,746	42,179	120,250
Balance Transferred from Income	481,760	3,116	122,089	886,176	15,315	37,347
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	1	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	44,491	84	7,551	108,712	1,351	2,077
(less) Dividends Declared - Common Stock	315,716	1,390	90,019	542,298	11,740	33,600
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	0	0
Retained Earnings - End of Year	1,549,492	20,315	301,025	2,247,913	44,404	121,920
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve, Federal	0	0	0	0	0	0
Total Retained Earnings	1,549,692	20,315	301,025	2,247,913	44,404	121,920

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Vermont	Vermont	Vermont	Vermont	Virginia	Virginia
Item	Central Vermont Public Service Corp	Green Mountain Power Corp	Vermont Electric Power Co Inc	Vermont Yankee Nuclear Power Corp	Appalachian Power Co	Virginia Electric & Power Co
Electric Utility Operating Income						
Electric Operating Revenues	220,664	144,028	113,089	145,585	1,393,891	3,458,928
Electric Operating Expenses						
Operation Expense	146,986	111,365	100,477	75,410	764,665	1,610,927
Maintenance Expense	10,342	5,083	1,582	19,446	116,099	295,437
Depreciation Expense	9,910	5,247	3,130	14,826	104,447	333,886
Amortization	7,258	660	250	6,809	473	66,820
Taxes Other Than Income Taxes	7,288	4,450	2,061	5,599	88,234	205,002
Federal Income Taxes	9,556	3,106	445	6,084	76,524	168,005
Other Income Taxes	2,919	755	87	1,275	10,863	2,665
Provision for Deferred Income Taxes	2,066	1,493	188	628	25,602	96,321
(less) Provision for Deferred Income Taxes (credit)	2,937	0	0	3,205	34,552	54,919
Investment Tax Credit Adjustments (net)	-79	-306	-17	-1,418	-2,321	-24,279
(less) Gains from Disposition of Utility Plant	0	0	0	0	23	53
Losses from Disposition of Utility Plant	0	0	0	0	83	86
Total Electric Operating Expenses	193,309	131,853	108,203	125,455	1,150,094	2,700,098
Net Electric Utility Operating Income	27,355	12,175	4,885	20,131	243,796	758,830
Gas Utility Operating Income						
Gas Operating Revenues	0	0	0	0	0	0
Gas Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expenses	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	0	0	0	0	0
Net Gas Utility Operating Income	0	0	0	0	0	0
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Vermont	Vermont	Vermont	Vermont	Virginia	Virginia
Item	Central Vermont Public Service Corp	Green Mountain Power Corp	Vermont Electric Power Co Inc	Vermont Yankee Nuclear Power Corp	Appalachian Power Co	Virginia Electric & Power Co
Total Utility Operating Income						
Total Utility Operating Revenues	220,664	144,028	113,089	145,585	1,393,891	3,458,928
Total Utility Operating Expenses						
Operation Expenses	146,986	111,365	100,477	75,410	764,665	1,610,927
Maintenance Expenses	10,342	5,083	1,582	19,446	116,099	295,437
Depreciation Expense	9,910	5,247	3,130	14,826	104,447	333,886
Amortization	7,258	660	250	6,809	473	66,820
Taxes Other Than Income Taxes	7,288	4,450	2,061	5,599	88,234	205,002
Federal Income Taxes	9,556	3,106	445	6,084	76,524	168,005
Other Income Taxes	2,919	755	87	1,275	10,863	2,865
Provision for Deferred Income Taxes	2,066	1,433	188	628	25,602	36,321
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	2,937	0	0	3,205	34,552	54,919
Investment Tax Credit Adjustments (net)	-79	-306	-17	-1,413	-2,321	-24,279
(less) Gains from Disposition of Utility Plant	0	0	0	0	23	53
Losses from Disposition of Utility Plant	0	0	0	0	83	86
Total Utility Operating Expenses	193,309	131,853	108,203	125,455	1,150,094	2,700,098
Net Utility Operating Income	27,355	12,175	4,885	20,131	243,796	758,830
Other Income and Deductions						
Other Income						
Nonutility Operating Income	350	261	0	0	-236	-4
Equity in Earnings of Subsidiary Companies	1,822	1,801	1,209	0	230	0
Interest and Dividend Income	1,883	269	262	604	5,696	10,592
Allowance for Other Funds Used						
During Construction	300	136	0	219	597	3,703
Miscellaneous Nonoperating Income	936	205	0	197	750	30,606
Gain on Disposition of Property	52	0	0	0	852	253
Total Other Income	5,344	2,673	1,471	1,020	7,890	45,151
Other Income Deductions						
Loss on Disposition of Property	0	0	0	0	-14	23
Miscellaneous Amortization	0	0	0	0	365	0
Miscellaneous Income Deductions	-80	279	0	50	5,951	5,127
Total Other Income Deductions	-80	279	0	50	6,302	5,150
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	95	64	0	0	71	39
Federal Income Taxes	768	-3	0	252	37	12,825
Other Income Taxes	185	0	0	61	0	254
Provision for Deferred Income Taxes	126	0	0	0	82	-8,002
(less) Provision for Deferred						
Income Taxes (credit)	-561	0	0	0	0	0
Investment Tax Credit Adjustments (net)	-17	0	0	0	-1,430	0
(less) Investment Tax Credits	352	0	66	0	0	0
Total Taxes on Other Income and Deductions	1,366	62	-66	313	-1,240	5,116
Net Other Income and Deductions	4,058	2,332	1,537	657	2,828	34,885

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Vermont Central Vermont Public Service Corp	Vermont Green Mountain Power Corp	Vermont Vermont Electric Power Co Inc	Vermont Vermont Yankee Nuclear Power Corp	Virginia Appalachian Power Co	Virginia Virginia Electric & Power Co
Interest Charges						
Interest on Long-term Debt	11,087	4,894	4,655	13,870	88,756	336,525
Amortization of Debt Discount and Expense	80	52	42	143	511	2,221
Amortization of Loss on Recquired Debt	0	1	0	9	347	304
(less) Amortization of Premium on Debt (credit)	0	0	0	7	67	34
(less) Amortization of Gain on Recquired Debt (credit)	0	16	0	431	0	1
Interest on Debt to Associated Companies	0	0	0	0	0	7,935
Other Interest Expense	2,651	909	2	615	1,095	13,826
(less) Allowance for Borrowed Funds Used During Construction (credit)	549	360	33	1,205	366	2,529
Net Interest Charges	13,168	5,479	4,667	12,994	90,277	358,248
Income Before Extraordinary Items	18,245	9,028	1,755	7,793	156,347	435,466
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	18,245	9,028	1,755	7,793	156,347	435,466
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	39,746	17,227	140	5,411	183,777	910,286
Balance Transferred from Income	16,423	7,227	546	7,793	156,117	435,466
Credits to Retained Earnings	0	0	0	0	0	7,367
(less) Debits to Retained Earnings	0	0	0	0	703	2,299
(less) Appropriations of Retained Earnings	26	-1	0	0	0	0
(less) Dividends Declared - Preferred Stock	998	289	1,200	592	14,246	59,902
(less) Dividends Declared - Common Stock	13,355	7,210	540	7,168	111,776	302,994
Unappropriated Undistributed Subsidiary Earnings	3,913	1,801	1,200	0	986	0
Retained Earnings - End of Year	45,705	18,758	146	5,444	214,155	987,924
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve - Federal	692	206	0	0	2,142	49
Total Retained Earnings	46,397	18,965	146	5,444	216,296	987,973

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Washington Puget Sound Power & Light Co	Washington Water Power Co	West Virginia Monongahela Power Co	West Virginia Wheeling Power Co	Wisconsin Consolidated Water Power Co	Wisconsin Madison Gas & Electric Co
Electric Utility Operating Income						
Electric Operating Revenues	887,773	394,288	614,154	85,885	35,461	130,885
Electric Operating Expenses						
Operation Expense	414,761	157,577	380,870	69,892	31,009	67,462
Maintenance Expense	50,856	17,993	58,690	3,703	1,303	11,151
Depreciation Expense	79,205	32,647	48,381	2,084	834	16,792
Amortization	22,760	7,300	0	0	16	31
Taxes Other Than Income Taxes	80,843	29,998	32,552	4,150	292	5,777
Federal Income Taxes	52,704	34,947	22,848	2,007	569	3,010
Other Income Taxes	0	2,478	4,451	277	0	1,111
Provision for Deferred Income Taxes	19,862	7,338	10,597	658	0	883
(less) Provision for Deferred Income Taxes (credit)	18,114	1,111	16,545	1,448	0	568
Investment Tax Credit Adjustments (net)	-3,996	-4,179	2,059	-71	0	-700
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	698,880	284,990	539,785	81,251	34,023	104,949
Net Electric Utility Operating Income	188,893	109,299	74,369	4,633	1,438	25,937
Gas Utility Operating Income						
Gas Operating Revenues	0	76,297	0	0	0	86,472
Gas Operating Expenses						
Operation Expenses	0	66,635	0	0	0	68,120
Maintenance Expenses	0	1,101	0	0	0	1,423
Depreciation Expenses	0	3,509	0	0	0	5,455
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	4,619	0	0	0	1,530
Federal Income Taxes	0	4,207	0	0	0	972
Other Income Taxes	0	97	0	0	0	402
Provision for Deferred Income Taxes	0	630	0	0	0	883
(less) Provision for Deferred Income Taxes (credit)	0	3,971	0	0	0	832
Investment Tax Credit Adjustments (net)	0	-49	0	0	0	-206
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	0	76,780	0	0	0	77,748
Net Gas Utility Operating Income	0	-483	0	0	0	8,684
Other Utility Operating Income						
Other Utility Operating Revenues	0	0	0	0	0	0
Other Utility Operating Expenses						
Operation Expenses	0	0	0	0	0	0
Maintenance Expenses	0	0	0	0	0	0
Depreciation Expense	0	0	0	0	0	0
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	0	0	0	0
Federal Income Taxes	0	0	0	0	0	0
Other Income Taxes	0	0	0	0	0	0
Provision for Deferred Income Taxes	0	0	0	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	0	0
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	0	0	0	0	0	0
Net Other Utility Operating Income	0	0	0	0	0	0

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Washington Puget Sound Power & Light Co	Washington Water Power Co	West Virginia Monongahela Power Co	West Virginia Wheeling Power Co	Wisconsin Consolidated Water Power Co	Wisconsin Madison Gas & Electric Co
Total Utility Operating Income						
Total Utility Operating Revenues	887,773	470,585	614,154	85,885	35,461	217,317
Total Utility Operating Expenses						
Operation Expenses	414,761	224,212	380,870	69,892	31,009	135,582
Maintenance Expenses	50,856	19,094	58,690	3,703	1,303	12,574
Depreciation Expense	79,205	36,156	48,381	2,084	834	22,247
Amortization	22,760	7,300	0	0	16	31
Taxes Other Than Income Taxes	80,843	34,618	32,552	4,150	292	7,307
Federal Income Taxes	52,704	39,155	22,848	2,007	569	3,983
Other Income Taxes	0	2,575	4,451	277	0	1,513
Provision for Deferred Income Taxes	19,862	7,969	10,597	658	0	1,766
(less) Provision for Deferred Income Taxes						
Income Taxes (credit)	18,114	5,082	16,545	1,448	0	1,400
Investment Tax Credit Adjustments (net)	-3,996	4,228	-2,059	-71	0	-906
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	698,880	361,769	539,785	81,251	34,023	182,696
Net Utility Operating Income	188,893	108,816	74,369	4,633	1,438	34,621
Other Income and Deductions						
Other Income						
Nonutility Operating Income	-365	-60	2	-3	0	46
Equity in Earnings of Subsidiary Companies	-590	10,600	-3,386	0	532	-552
Interest and Dividend Income	834	1,645	16,045	337	19	1,397
Allowance for Other Funds Used						
During Construction	144	136	1,317	0	0	731
Miscellaneous Nonoperating Income	6,963	28	38	0	0	54
Gain on Disposition of Property	204	2	3	0	0	2
Total Other Income	7,190	12,350	14,020	334	551	1,680
Other Income Deductions						
Loss on Disposition of Property	41	2,096	0	0	0	0
Miscellaneous Amortization	0	51	0	0	0	0
Miscellaneous Income Deductions	22,544	-1,027	202	101	1	1,424
Total Other Income Deductions	22,585	1,120	202	101	1	1,424
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	97	26	-1	0	0	36
Federal Income Taxes	-1,060	87	1,230	79	25	-337
Other Income Taxes	0	6	299	0	0	-51
Provision for Deferred Income Taxes	2,941	780	30	0	0	0
(less) Provision for Deferred						
Income Taxes (credit)	7,248	184	382	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	-27	0	0
(less) Investment Tax Credits	23,071	9,300	0	0	34	0
Total Taxes on Other Income and Deductions	-28,343	-8,586	1,176	52	-9	-352
Net Other Income and Deductions	12,947	19,816	12,642	181	560	608

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Washington Puget Sound Power & Light Co	Washington Water Power Co	West Virginia Monongahela Power Co	West Virginia Wheeling Power Co	Wisconsin Consolidated Water Power Co	Wisconsin Madison Gas & Electric Co
Interest Charges						
Interest on Long-term Debt	79,296	51,950	31,473	2,429	0	12,757
Amortization of Debt Discount and Expense	977	-305	159	0	0	84
Amortization of Loss on Recquired Debt	1,385	1,656	136	0	0	0
(less) Amortization of Premium on Debt (credit)	33	28	13	0	0	0
(less) Amortization of Gain on Recquired Debt (credit)	31	0	0	0	0	0
Interest on Debt to Associated Companies	0	0	0	0	0	0
Other Interest Expense	6,278	3,736	790	508	0	2,276
(less) Allowance for Borrowed Funds Used During Construction (credit)	3,780	447	979	15	0	484
Net Interest Charges	84,092	56,562	31,566	2,922	0	14,633
Income Before Extraordinary Items	117,749	72,071	55,445	1,893	1,998	20,596
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	117,749	72,071	55,445	1,893	1,998	20,596
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	134,160	23,829	141,317	4,759	7,218	52,995
Balance Transferred from Income	118,338	61,471	58,831	1,893	1,466	21,147
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	0	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	0	0
(less) Dividends Declared - Preferred Stock	13,563	11,764	4,940	0	0	558
(less) Dividends Declared - Common Stock	97,606	55,360	44,459	2,040	0	17,279
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	348	0
Retained Earnings - End of Year	141,330	18,176	150,749	4,611	9,031	56,305
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings - Amortization Reserve - Federal	0	1,548	0	0	0	0
Total Retained Earnings	141,330	19,724	150,749	4,611	9,031	56,305

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1969 (Continued)**
(Thousand Dollars)

Item	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas & Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
Electric Utility Operating Income						
Electric Operating Revenues	322,177	7,188	9,081	23,439	1,245,701	458,626
Electric Operating Expenses						
Operation Expense	212,444	4,510	5,708	19,038	572,264	252,416
Maintenance Expense	20,056	314	140	340	143,566	37,222
Depreciation Expense	25,406	724	228	1,042	138,060	51,811
Amortization	12	0	0	0	0	0
Taxes Other Than Income Taxes	10,266	216	628	788	60,236	20,558
Federal Income Taxes	10,414	207	838	399	77,772	19,860
Other Income Taxes	2,538	65	66	119	17,846	5,127
Provision for Deferred Income Taxes	595	0	8	0	12,690	100
(less) Provision for Deferred Income Taxes (credit)	390	26	61	0	15,111	2,467
Investment Tax Credit Adjustments (net)	-997	0	-9	-37	-5,664	-2,399
(less) Gains from Disposition of Utility Plant	0	0	0	0	96	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Electric Operating Expenses	280,341	6,108	7,547	21,698	1,001,583	382,227
Net Electric Utility Operating Income	41,835	1,080	1,534	1,741	244,118	76,399
Gas Utility Operating Income						
Gas Operating Revenues	55,196	0	5,218	8,691	0	106,044
Gas Operating Expenses						
Operation Expenses	43,804	0	4,240	7,699	0	81,117
Maintenance Expenses	1,178	0	67	197	0	2,608
Depreciation Expenses	2,648	0	201	294	0	6,835
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	879	0	361	186	0	2,354
Federal Income Taxes	1,740	0	176	46	0	3,054
Other Income Taxes	452	0	10	23	0	802
Provision for Deferred Income Taxes	74	0	5	0	0	0
(less) Provision for Deferred Income Taxes (credit)	20	0	66	0	0	1,027
Investment Tax Credit Adjustments (net)	-71	0	-8	-9	0	-248
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Gas Operating Expenses	50,893	0	4,986	8,437	0	95,494
Net Gas Utility Operating Income	4,512	0	232	254	0	10,550
Other Utility Operating Income						
Other Utility Operating Revenues	348	0	399	3,613	12,292	3,762
Other Utility Operating Expenses						
Operation Expenses	0	0	167	1,313	7,000	1,294
Maintenance Expenses	0	0	22	414	1,490	466
Depreciation Expense	47	0	36	359	1,104	515
Amortization	0	0	0	0	0	0
Taxes Other Than Income Taxes	0	0	37	226	741	233
Federal Income Taxes	39	0	47	215	390	343
Other Income Taxes	14	0	4	64	71	95
Provision for Deferred Income Taxes	0	0	10	0	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0	2	0	108	14
Investment Tax Credit Adjustments (net)	0	0	-1	-9	-22	-20
(less) Gains from Disposition of Utility Plant	0	0	0	0	0	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Other Utility Operating Expenses	100	0	319	2,584	10,665	2,913
Net Other Utility Operating Income	247	0	80	1,029	1,627	849

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas&Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
Total Utility Operating Income						
Total Utility Operating Revenues	377,720	7,188	14,698	35,742	1,257,993	568,432
Total Utility Operating Expenses						
Operation Expenses	256,247	4,610	10,115	28,050	579,265	334,827
Maintenance Expenses	21,234	314	228	950	145,057	40,295
Depreciation Expense	28,102	724	465	1,695	139,184	59,161
Amortization	12	0	0	0	0	0
Taxes Other Than Income Taxes	11,145	216	1,026	1,212	60,977	23,144
Federal Income Taxes	12,193	207	1,061	660	78,161	23,256
Other Income Taxes	3,004	65	80	206	17,916	6,024
Provision for Deferred Income Taxes	669	0	22	0	12,690	100
(less) Provision for Deferred income Taxes						
Income Taxes (credit)	413	26	129	0	15,219	3,507
Investment Tax Credit Adjustments (net)	-1,068	0	-18	-55	-5,686	-2,667
(less) Gains from Disposition of Utility Plant	0	0	0	0	96	0
Losses from Disposition of Utility Plant	0	0	0	0	0	0
Total Utility Operating Expenses	331,125	6,108	12,852	32,719	1,012,248	480,634
Net Utility Operating Income	46,595	1,080	1,846	3,024	245,745	87,798
Other Income and Deductions						
Other Income						
Nonutility Operating Income	48	8	0	0	377	88
Equity in Earnings of Subsidiary Companies	58	0	0	0	0	2,306
Interest and Dividend Income	5	0	1	227	21,714	9,845
Allowance for Other Funds Used						
During Construction	463	0	0	0	4,899	0
Miscellaneous Nonoperating Income	94	1	0	2	4,631	-61
Gain on Disposition of Property	1,662	1	0	0	2,197	20
Total Other Income	2,329	13	1	229	33,818	12,198
Other Income Deductions						
Loss on Disposition of Property	61	0	0	0	39	8
Miscellaneous Amortization	0	0	0	0	914	0
Miscellaneous Income Deductions	197	3	0	60	7,679	8,251
Total Other Income Deductions	258	3	0	60	8,632	8,259
Taxes to Other Income and Deductions						
Taxes Other Than Income Taxes	230	0	0	1	270	199
Federal Income Taxes	928	0	0	43	-342	-1,372
Other Income Taxes	97	0	0	10	908	-248
Provision for Deferred Income Taxes	-593	0	0	0	750	0
(less) Provision for Deferred						
Income Taxes (credit)	0	0	0	0	0	0
Investment Tax Credit Adjustments (net)	0	0	0	0	-16	0
(less) Investment Tax Credits	0	0	0	0	0	0
Total Taxes on Other Income and Deductions	663	0	0	53	1,571	-1,421
Net Other Income and Deductions	1,409	10	0	116	23,616	5,359

See endnotes at end of an individual electric utility

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Wisconsin	Wisconsin	Wisconsin	Wisconsin	Wisconsin	Wisconsin
Item	Northern States Power Co	Northwestern Wisconsin Elec Co	South Beloit Water Gas&Elec Co	Superior Water Light & Power Co	Wisconsin Electric Power Co	Wisconsin Power & Light Co
Interest Charges						
Interest on Long-term Debt	13,026	391	0	1,282	79,534	27,556
Amortization of Debt Discount and Expense	82	4	0	21	402	439
Amortization of Loss on Recaptured Debt	317	0	0	0	877	0
(less) Amortization of Premium on Debt (credit)	9	0	0	0	59	1
(less) Amortization of Gain on Recaptured Debt (credit)	0	0	0	0	0	0
Interest on Debt to Associated Companies	1,235	0	0	34	0	0
Other Interest Expense	585	128	3	50	737	2,625
(less) Allowance for Borrowed Funds Used During Construction (credit)	663	0	0	0	2,413	1,808
Net Interest Charges	14,574	522	3	1,387	79,079	28,812
Income Before Extraordinary Items	33,429	568	1,844	1,753	190,282	64,346
Extraordinary Items						
Extraordinary Income	0	0	0	0	0	0
(less) Extraordinary Deductions	0	0	0	0	0	0
Net Extraordinary Items	0	0	0	0	0	0
(less) Federal and Other Income Taxes	0	0	0	0	0	0
Extraordinary Items After Taxes	0	0	0	0	0	0
Net Income	33,429	568	1,844	1,753	190,282	64,346
Unappropriated Retained Earnings						
Retained Earnings - Beginning of Year	140,279	819	10,988	8,577	646,719	218,722
Balance Transferred from Income	33,372	568	1,844	1,753	190,282	62,040
Credits to Retained Earnings	0	0	0	0	0	0
(less) Debits to Retained Earnings	0	1	0	0	0	0
(less) Appropriations of Retained Earnings	0	0	0	0	72	0
(less) Dividends Declared - Preferred Stock	0	0	0	0	5,928	3,811
(less) Dividends Declared - Common Stock	18,274	276	7,000	1,600	116,864	49,626
Unappropriated Undistributed Subsidiary Earnings	49	0	0	0	0	0
Retained Earnings - End of Year	155,426	1,110	5,832	8,730	714,136	227,325
Appropriated Retained Earnings	0	0	0	0	0	0
Appropriated Retained Earnings Amortization Reserve - Federal	563	0	0	0	864	0
Total Retained Earnings	155,989	1,110	5,832	8,730	715,000	227,325

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp	Wisconsin River Power Co
Electric Utility Operating Income:		
Electric Operating Revenues	442,938	5,060
Electric Operating Expenses:		
Operation Expense	253,347	1,252
Maintenance Expense	40,870	478
Depreciation Expense	50,072	373
Amortization	0	4
Taxes Other Than Income Taxes	19,646	846
Federal Income Taxes	14,806	644
Other Income Taxes	4,156	166
Provision for Deferred Income Taxes	0	-6
(less) Provision for Deferred Income Taxes (credit)	0	-21
Investment Tax Credit Adjustments (net)	-2,014	1
(less) Gains from Disposition of Utility Plant	0	0
Losses from Disposition of Utility Plant	0	0
Total Electric Operating Expenses	380,882	3,779
Net Electric Utility Operating Income	62,055	1,281
Gas Utility Operating Income:		
Gas Operating Revenues	142,874	0
Gas Operating Expenses:		
Operation Expenses	120,189	0
Maintenance Expenses	2,493	0
Depreciation Expenses	6,480	0
Amortization	0	0
Taxes Other Than Income Taxes	2,757	0
Federal Income Taxes	2,319	0
Other Income Taxes	647	0
Provision for Deferred Income Taxes	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0
Investment Tax Credit Adjustments (net)	-242	0
(less) Gains from Disposition of Utility Plant	0	0
Losses from Disposition of Utility Plant	0	0
Total Gas Operating Expenses	134,644	0
Net Gas Utility Operating Income	8,231	0
Other Utility Operating Income:		
Other Utility Operating Revenues	0	0
Other Utility Operating Expenses:		
Operation Expenses	0	0
Maintenance Expenses	0	0
Depreciation Expense	0	0
Amortization	0	0
Taxes Other Than Income Taxes	0	0
Federal Income Taxes	0	0
Other Income Taxes	0	0
Provision for Deferred Income Taxes	0	0
(less) Provision for Deferred Income Taxes (credit)	0	0
Investment Tax Credit Adjustments (net)	0	0
(less) Gains from Disposition of Utility Plant	0	0
Losses from Disposition of Utility Plant	0	0
Total Other Utility Operating Expenses	0	0
Net Other Utility Operating Income	0	0

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp	Wisconsin River Power Co
Total Utility Operating Income		
Total Utility Operating Revenues	585,812	5,060
Total Utility Operating Expenses		
Operation Expenses	373,536	1,252
Maintenance Expenses	43,364	478
Depreciation Expense	56,553	373
Amortization	0	4
Taxes Other Than Income Taxes	22,403	846
Federal Income Taxes	17,125	644
Other Income Taxes	4,802	166
Provision for Deferred Income Taxes	0	-6
(less) Provision for Deferred Income Taxes		
Income Taxes (credit)	0	-21
Investment Tax Credit Adjustments (net)	-2,256	1
(less) Gains from Disposition of Utility Plant	0	0
Losses from Disposition of Utility Plant	0	0
Total Utility Operating Expenses	515,526	3,779
Net Utility Operating Income	70,286	1,281
Other Income and Deductions		
Other Income		
Nonutility Operating Income	282	-30
Equity in Earnings of Subsidiary Companies	-1,508	0
Interest and Dividend Income	2,871	248
Allowance for Other Funds Used		
During Construction	595	0
Miscellaneous Nonoperating Income	-2	406
Gain on Disposition of Property	1,012	10
Total Other Income	3,251	634
Other Income Deductions		
Loss on Disposition of Property	16	0
Miscellaneous Amortization	0	6
Miscellaneous Income Deductions	977	23
Total Other Income Deductions	993	29
Taxes to Other Income and Deductions		
Taxes Other Than Income Taxes	104	154
Federal Income Taxes	-415	169
Other Income Taxes	-46	42
Provision for Deferred Income Taxes	0	-52
(less) Provision for Deferred		
Income Taxes (credit)	0	0
Investment Tax Credit Adjustments (net)	0	0
(less) Investment Tax Credits	0	5
Total Taxes on Other Income and Deductions	-357	309
Net Other Income and Deductions	2,615	297

See endnotes at end of an individual electric utility.

**Table 36. Statement of Income and Retained Earnings
by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp.	Wisconsin River Power Co.
Interest Charges		
Interest on Long-term Debt	20,544	0
Amortization of Debt Discount and Expense	783	0
Amortization of Loss on Reacquired Debt	0	0
(less) Amortization of Premium on Debt (credit)	0	0
(less) Amortization of Gain on Reacquired Debt (credit)	0	0
Interest on Debt to Associated Companies	0	0
Other Interest Expense	2,785	2
(less) Allowance for Borrowed Funds Used During Construction (credit)	341	0
Net Interest Charges	23,771	2
Income Before Extraordinary Items	49,130	1,577
Extraordinary Items		
Extraordinary Income	0	0
(less) Extraordinary Deductions	0	0
Net Extraordinary Items	0	0
(less) Federal and Other Income Taxes	0	0
Extraordinary Items After Taxes	0	0
Net Income	49,130	1,577
Unappropriated Retained Earnings		
Retained Earnings - Beginning of Year	234,788	5,764
Balance Transferred from Income	49,612	1,577
Credits to Retained Earnings	0	0
(less) Debits to Retained Earnings	5,550	0
(less) Appropriations of Retained Earnings	-16	0
(less) Dividends Declared - Preferred Stock	3,462	0
(less) Dividends Declared - Common Stock	36,899	1,030
Unappropriated Undistributed Subsidiary Earnings	362	0
Retained Earnings - End of Year	238,867	6,311
Appropriated Retained Earnings	-4,882	0
Appropriated Retained Earnings - Amortization Reserve, Federal	703	0
Total Retained Earnings	234,689	6,311

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989
(Thousand Dollars)**

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Utility Plant						
Electric Utility Plant	8,240,806	236,207	6,213,656	457,188	1,324,286	4,006,899
Electric Construction Work in Progress	557,150	4,698	203,623	944	846,020	90,125
Total Electric Utility Plant	8,797,955	240,905	6,417,279	458,132	2,170,306	4,097,024
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	2,458,147	124,194	1,399,365	118,696	477,195	1,218,703
Net Electric Utility Plant (less nuclear fuel)	6,339,208	116,710	5,017,914	339,437	1,693,111	2,878,320
Nuclear Fuel	805,951	0	251,364	0	0	168,115
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	657,954	0	100,548	0	0	0
Net Nuclear Fuel	147,997	0	150,815	0	0	168,115
Other Utility Plant	1,0383	0	0	0	0	0
Other Utility Construction Work in Progress	72	0	0	0	0	0
Total Other Utility Plant	20,155	0	0	0	0	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	7,154	0	0	0	0	0
Net Other Utility Plant	13,001	0	0	0	0	0
All Utility Plant	9,066,840	236,207	6,465,020	457,188	1,324,286	4,175,014
All Utility Plant Construction Work in Progress	557,221	4,698	203,623	944	846,020	90,125
Total All Utility Plant	9,624,061	240,905	6,668,643	458,132	2,170,306	4,265,139
(less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	3,123,855	124,194	1,499,914	118,696	477,195	1,218,703
Net All Utility Plant	6,500,206	116,710	5,168,729	339,437	1,693,111	3,046,436
Other Property and Investments						
Nonutility Property (less: Accumulated Provision for Depreciation and Amortization)	3,914	3	10,228	0	1,273	209
Investments in Associated Companies	0	45	0	0	0	0
Investments in Subsidiary Companies	30,013	0	2,651	1	333,027	11,219
Other Investments	50	0	35,191	50,000	0	3
Special Funds	734	23	10,465	3	4	1
Total Other Property and Investments	34,710	70	58,535	50,004	334,304	11,434
Current and Accrued Assets						
Cash	2,590	107	9,585	60	3,791	923
Special Deposits	15,332	377	26	0	0	5,351
Working Funds	649	0	233	1	238	267
Temporary Cash Investments	0	0	64,338	29,292	44,977	0
Notes and Accounts Receivable (net)	211,662	0	124,613	24,190	31,680	65,967
Receivable from Associated Companies	69,766	51,797	26	0	-2,756	25,585
Materials and Supplies	271,268	0	113,932	14,652	29,446	94,778
Prepayments	23,881	0	9,010	617	1,700	11,835
Miscellaneous Current and Accrued Assets	92,689	233	42,805	3	16,713	237
Total Current and Accrued Assets	687,837	52,514	364,570	68,815	125,789	204,943
Deferred Debits						
Unamortized Debt Expense	6,491	131	15,947	855	9,890	3,522
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	0	0	9,710	0	0	0
Preliminary Survey and Investigation Charges	12,814	669	0	0	168	48,738
Clearing Accounts	1,054	0	-69	0	115	-9,016
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	94	19	105	0	15	0
Unamortized Loss on Recquired Debt	28,778	2	29,318	0	1,892	6,990
Accumulated Deferred Income Taxes	95,633	304	134,698	3,059	54,574	113,383
Other Deferred Debits	40,917	4	518,341	19,513	55,010	739,563
Total Deferred Debits	185,776	1,129	708,051	23,428	121,603	903,179
Total Assets and Other Debits	7,408,529	170,424	6,299,885	481,680	2,274,806	4,165,990

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Proprietary Capital						
Common Stock Issued	224,358	328	178,162	0	356,010	550
Preferred Stock Issued	506,900	0	372,583	0	82,793	255,038
Capital Stock Subscribed						
Liability and Premium	461	0	1,083,105	0	7,007	4,879
Other Paid-in Capital	1,304,645	32,472	5,595	137,469	0	691,531
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	2,057	0	43,163	0	3,473	1,702
Retained Earnings	648,242	18,353	689,098	11,558	362,200	314,401
Unappropriated Undistributed Subsidiary Earnings	13,162	0	8	0	61,385	201
(less) Recquired Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	2,695,711	51,153	2,274,197	149,027	743,152	1,264,897
Long-term Debt						
Bonds (less reacquired)	1,907,645	2,729	2,098,724	186,500	1,022,639	938,260
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	238	1	0	0	0	1,634
(less) Unamortized Discount on Long-term Debt	19,219	160	5,550	0	0	8,187
Other Long-term Debt	470,804	78,830	200,386	0	0	335,423
Total Long-term Debt	2,359,468	81,401	2,293,560	186,500	1,022,639	1,267,130
Other Noncurrent Liabilities						
Obligations Under Capital Lease Noncurrent	103,133	0	37,098	0	0	192,013
Accumulated Provision for Property Insurance	0	0	0	0	0	9,298
Accumulated Provision for Injuries and Damages	8,035	0	3,500	0	0	4,326
Accumulated Provision for Pensions and Benefits	30,162	0	13,943	0	0	8,660
Accumulated Miscellaneous Operating Provisions	0	0	0	19,501	83	5,770
Accumulated Provisions for Rate Refunds	0	0	3,914	0	0	0
Total Other Noncurrent Liabilities	141,331	0	58,455	19,501	83	220,066
Current and Accrued Liabilities						
Notes Payable	30,000	0	240,000	0	103,700	667
Accounts Payable	211,410	44	83,791	35,423	98,347	105,737
Payables to Associated Companies	52,019	12,965	553	28,121	7,342	53,635
Taxes Accrued	26,832	1,467	76,084	3,299	67,444	79,853
Interest Accrued	49,926	473	60,651	1,494	16,746	33,395
Dividends Declared	15,490	0	1,135	0	1,321	5,584
Tax Collections Payable	4,215	0	3,462	0	433	5,837
Other Current and Accrued Liabilities	183,847	377	44,655	7,261	6,375	94,227
Total Current and Accrued Liabilities	573,741	15,326	510,331	75,597	301,709	378,935
Deferred Credits						
Customer Advances for Construction	516	0	26,138	0	5,534	96
Accumulated Deferred Investment Tax Credits	399,097	3,893	185,976	16,313	82,899	20,044
Deferred Gains from Disposition of Utility Plant	0	0	119,850	0	0	0
Unamortized Gain on Recquired Debt	2,129	2,356	1,296	0	0	0
Accumulated Deferred Income Taxes	1,116,777	15,296	771,573	34,746	79,074	718,217
Other Deferred Credits	119,760	0	58,508	0	39,716	296,603
Total Deferred Credits	1,638,279	22,544	1,163,341	51,059	207,223	1,034,963
Total Liabilities and Other Credits	7,408,529	170,424	6,299,885	481,683	2,274,806	4,165,990

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	California Pacific Gas & Electric Co.	California San Diego Gas & Electric Co.	California Southern California Edison Co.	Colorado Public Service Co. of Colorado	Connecticut Citizens Utilities Co.	Connecticut Light & Power Co.
Utility Plant						
Electric Utility Plant	18,068,390	3,487,240	16,432,414	2,860,389	239,550	5,208,929
Electric Construction Work in Progress	396,172	106,880	593,620	76,926	4,871	295,182
Total Electric Utility Plant	18,464,563	3,594,121	17,026,034	2,737,315	244,420	5,505,110
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	5,125,116	1,121,674	5,092,412	932,902	74,070	1,419,028
Net Electric Utility Plant (less nuclear fuel)	13,339,447	2,472,447	11,933,622	1,804,413	170,350	4,086,083
Nuclear Fuel	332,046	71,767	599,362	0	0	655,990
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	193,640	0	205,238	0	0	516,567
Net Nuclear Fuel	138,406	71,767	394,124	0	0	139,422
Other Utility Plant	4,965,979	619,210	7,063	692,383	81,310	0
Other Utility Construction Work in Progress	273,194	29,575	140	19,572	2,749	0
Total Other Utility Plant	5,239,173	648,785	7,203	711,955	83,758	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization and Depletion	2,094,430	243,018	2,675	300,388	21,988	0
Net Other Utility Plant	3,144,742	405,767	4,528	411,568	62,370	0
All Utility Plant	23,366,415	4,178,217	17,038,639	3,352,772	320,560	5,865,919
All Utility Plant Construction Work in Progress	669,366	136,455	593,760	96,498	7,619	295,182
Total All Utility Plant	24,035,782	4,314,672	17,632,399	3,449,271	328,179	6,161,100
(less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	7,413,186	1,364,692	5,300,325	1,233,290	95,458	1,935,595
Net All Utility Plant	16,622,595	2,949,980	12,332,274	2,215,981	232,720	4,225,505
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	23,493	14,221	12,623	1,044	0	14,097
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	455,499	72,474	2,286	244,467	378,282	52,169
Other Investments	46,892	10,035	21,054	299	29,731	77
Special Funds	214,210	61,167	301,155	17,735	0	0
Total Other Property and Investments	740,094	157,897	337,118	263,545	408,013	66,343
Current and Accrued Assets						
Cash	0	2,851	0	5,595	864	341
Special Deposits	1,235	1	0	79	8	2,752
Working Funds	1,889	103	487	549	43	134
Temporary Cash Investments	38,000	0	88	0	1,791	0
Notes and Accounts Receivable (net)	1,105,409	102,631	444,534	17,425	14,457	209,519
Receivable from Associated Companies	14,605	107	8,538	4,244	361,505	13,895
Materials and Supplies	306,660	60,875	186,261	75,008	4,443	84,809
Prepayments	50,619	6,512	12,776	5,013	2,293	20,663
Miscellaneous Current and Accrued Assets	1,299,684	128,230	673,036	65,946	0	117,092
Total Current and Accrued Assets	2,818,301	301,310	1,325,721	139,008	385,403	449,205
Deferred Debits						
Unamortized Debt Expense	20,261	6,852	35,208	6,011	3,672	10,754
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	53,543	2,532	1,342	0	0	16,085
Preliminary Survey and Investigation Charges	18,929	334	0	2,365	114	0
Clearing Accounts	6,398	7,885	0	2,105	0	147
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	82,900	0	0	0
Unamortized Loss on Recaptured Debt	259,892	38,003	253,456	0	71	20,566
Accumulated Deferred Income Taxes	324,256	45,548	350,947	68,730	2,302	72,484
Other Deferred Debits	522,829	41,663	714,875	80,827	1,923	311,243
Total Deferred Debits	1,206,108	140,817	1,438,723	160,039	7,983	431,279
Total Assets and Other Debits	21,387,099	3,550,005	15,433,836	2,778,573	1,034,119	5,172,331

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	California Pacific Gas & Electric Co	California San Diego Gas & Electric Co	California Southern California Edison Co	Colorado Public Service Co of Colorado	Connecticut Citizens Utilities Co	Connecticut Connecticut Light & Power Co
Proprietary Capital						
Common Stock Issued	2,144,951	279,608	906,017	264,036	11,062	122,229
Preferred Stock Issued	1,164,950	149,993	594,292	191,520	0	458,087
Capital Stock Subscribed						
Liability and Premium	3,197,021	493,918	1,237,602	454,268	304,549	38,093
Other Paid-in Capital	4,341	1,467	22,901	0	44	612,030
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	7,765	0	0	0	0	0
(less) Capital Stock Expense	72,014	26,704	1,139	0	72	14,972
Retained Earnings	2,085,929	455,339	2,387,761	129,310	-28,289	674,800
Unappropriated Undistributed Subsidiary Earnings	102,930	52,485	-2,323	56,974	212,786	20,999
(less) Recaptured Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	8,620,343	1,406,106	5,145,112	1,096,108	500,081	1,911,267
Long-term Debt						
Bonds (less reacquired)	6,718,896	1,026,969	4,551,915	786,550	204,607	1,448,616
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	433	110	1,270	689	0	132
(less) Unamortized Discount on Long-term Debt	92,550	15,353	22,482	10,155	2,689	6,438
Other Long-term Debt	1,146,094	20,442	698,051	0	51,065	617,264
Total Long-term Debt	7,772,874	1,032,169	5,228,754	777,093	252,982	2,059,575
Other Noncurrent Liabilities						
Obligations Under Capital Lease-Noncurrent	153,394	180,587	0	2,695	0	160,511
Accumulated Provision for Property Insurance	0	0	12,525	0	0	0
Accumulated Provision for Injuries and Damages	163,204	7,821	47,565	0	0	3,634
Accumulated Provision for Pensions and Benefits	0	0	94,729	5,222	0	3,670
Accumulated Miscellaneous Operating Provisions	0	0	0	0	0	1,000
Accumulated Provisions for Rate Refunds	0	0	0	0	0	11,180
Total Other Noncurrent Liabilities	316,598	188,408	154,819	7,917	0	179,994
Current and Accrued Liabilities						
Notes Payable	145,000	57,800	715,467	44,000	0	23,000
Accounts Payable	711,296	134,772	470,643	115,334	23,065	71,531
Payables to Associated Companies	221,973	0	9,322	18,567	149,763	55,638
Taxes Accrued	13,756	48,910	458,901	53,290	11,869	138,568
Interest Accrued	77,201	26,113	123,955	17,340	5,148	43,260
Dividends Declared	149,615	40,519	143,300	29,531	0	4,889
Tax Collections Payable	13,009	2,126	11,697	9,913	259	3,774
Other Current and Accrued Liabilities	395,417	136,002	399,713	53,586	5,764	114,254
Total Current and Accrued Liabilities	1,727,266	446,243	2,328,998	341,560	195,869	454,912
Deferred Credits						
Customer Advances for Construction	164,559	71,993	85,447	35,247	39,724	4,707
Accumulated Deferred Investment Tax Credits	535,515	134,588	492,920	135,352	8,767	178,697
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recaptured Debt	23,778	668	0	0	0	3,004
Accumulated Deferred Income Taxes	1,942,512	222,366	1,808,364	231,713	32,467	344,423
Other Deferred Credits	283,654	47,465	189,422	153,582	4,230	35,753
Total Deferred Credits	2,950,018	477,080	2,576,153	555,904	85,188	566,583
Total Liabilities and Other Credits	21,387,099	3,550,005	15,433,836	2,778,573	1,034,119	5,172,331

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Connecticut	Connecticut	Connecticut	Delaware	District of Columbia	Florida
Item	Connecticut Yankee Atom Power Co.	Holyoke Power & Electric Co.	United Illuminating Co.	Delmarva Power & Light Co.	Potomac Electric Power Co.	Florida Power & Light Co.
Utility Plant						
Electric Utility Plant	332,329	2,509	886,309	2,022,280	4,018,168	11,012,974
Electric Construction Work in Progress	10,076	6	757,599	40,626	250,782	299,705
Total Electric Utility Plant	342,405	2,515	1,643,908	2,062,907	4,268,950	11,312,679
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	111,134	1,341	323,637	649,713	1,172,954	3,848,019
Net Electric Utility Plant						
(less nuclear fuel)	231,271	1,175	1,320,071	1,413,193	3,095,996	7,464,661
Nuclear Fuel	401,426	0	88,183	60,251	0	475,422
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	318,524	0	6,156	42,375	0	182,972
Net Nuclear Fuel	82,902	0	82,027	17,876	0	292,449
Other Utility Plant	0	0	0	256,233	0	0
Other Utility Construction Work in Progress	0	0	0	3,786	0	0
Total Other Utility Plant	0	0	0	260,019	0	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	0	0	0	103,111	0	0
Net Other Utility Plant	0	0	0	156,908	0	0
All Utility Plant	743,754	2,509	974,492	2,338,763	4,018,168	11,488,396
All Utility Plant Construction Work in Progress	10,076	6	757,599	44,413	250,782	299,705
Total All Utility Plant	743,830	2,515	1,732,091	2,383,176	4,268,950	11,788,101
(less) All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	429,658	1,341	329,992	795,198	1,172,954	4,030,991
Net All Utility Plant	314,173	1,175	1,402,098	1,587,978	3,095,996	7,757,110
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	0	0	165	7,088	1,536	5,111
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	0	0	9,101	95,193	279,425	0
Other Investments	0	0	355	752	326	13,485
Special Funds	34,287	0	0	5,742	967	201,922
Total Other Property and Investments	34,287	0	9,621	108,775	282,253	220,518
Current and Accrued Assets						
Cash	0	8	6,004	4,150	2,294	112
Special Deposits	0	0	344	5,197	198	451
Working Funds	7	0	4,401	9,952	133	1,781
Temporary Cash Investments	0	0	28,018	35	1,134	0
Notes and Accounts Receivable (net)	1,927	932	78,535	73,665	130,175	376,082
Receivable from Associated Companies	15,354	2,521	0	329	820	1,564
Materials and Supplies	17,841	0	24,710	53,537	129,948	285,408
Prepayments	2,171	0	3,780	6,196	27,433	28,956
Miscellaneous Current and Accrued Assets	0	0	25,030	6,773	16,868	135,716
Total Current and Accrued Assets	37,300	3,461	170,823	159,834	309,004	830,071
Deferred Debits						
Unamortized Debt Expense	3,371	0	2,317	7,829	6,288	9,969
Extraordinary Property Losses	0	0	0	0	0	12,450
Unrecovered Plant and Regulatory Study Cost	0	0	42,161	12,966	27,389	1,468
Preliminary Survey and Investigation Charges	0	0	177	2,801	13,159	228
Clearing Accounts	0	0	0	219	1,481	-204
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	67
Research, Development and Demonstration Expenditures	0	0	0	16	143	0
Unamortized Loss on Recaptured Debt	7	0	31,524	4,373	23,457	150,088
Accumulated Deferred Income Taxes	18,408	0	172,301	37,973	48,494	197,503
Other Deferred Debits	9,836	0	344,069	55,741	48,747	200,247
Total Deferred Debits	31,621	0	592,549	121,919	167,158	571,817
Total Assets and Other Debits	417,380	4,636	2,175,092	1,978,505	3,854,411	9,379,516

See endnotes at end of individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Proprietary Capital						
Common Stock Issued	35,000	485	277,968	105,737	97,910	1,373,069
Preferred Stock Issued	0	0	70,000	137,242	143,306	519,000
Capital Stock Subscribed, Liability, and Premium	3,000	0	0	260,827	192,547	344
Other Paid-in Capital	0	0	0	2,387	380,319	452,000
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	36	0	3,204	6,262	10,111	7,152
Retained Earnings	58,384	-150	81,576	261,642	600,790	938,339
Unappropriated Undistributed Subsidiary Earnings	0	0	6,244	18,311	132,285	0
(less) Recaptured Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	96,348	335	432,584	779,683	1,537,046	3,275,699
Long-term Debt						
Bonds (less reacquired)	123,043	0	445,833	653,150	1,335,706	2,985,139
Advances from Associated Companies	0	474	0	0	0	0
Unamortized Premium on Long-term Debt	0	0	0	1,185	518	2,348
(less) Unamortized Discount on Long-term Debt	0	0	1,685	1,807	13,102	24,206
Other Long-term Debt	84,393	347	443,400	41,600	0	8,565
Total Long-term Debt	207,436	771	887,511	694,128	1,323,121	2,971,847
Other Noncurrent Liabilities						
Obligations under Capital Lease-Noncurrent	0	0	106,831	1,709	0	84,609
Accumulated Provision for Property Insurance	0	0	0	0	0	55,160
Accumulated Provision for Injuries and Damages	1	0	950	0	65	14,400
Accumulated Provision for Pensions and Benefits	139	0	0	0	0	895
Accumulated Miscellaneous Operating Provisions	1,700	0	0	0	0	2,871
Accumulated Provisions for Rate Refunds	0	0	0	0	0	38,849
Total Other Noncurrent Liabilities	1,838	0	107,781	1,709	65	196,790
Current and Accrued Liabilities						
Notes Payable	27,000	0	45,000	8,500	132,959	92,300
Accounts Payable	17,692	0	58,912	47,124	134,123	147,244
Payables to Associated Companies	5,152	3,287	0	0	3,613	1,402
Taxes Accrued	7,974	48	22,592	6,756	35,009	72,252
Interest Accrued	2,009	54	27,715	12,937	29,361	87,334
Dividends Declared	0	0	9,243	18,484	0	0
Tax Collections Payable	215	0	1,166	1,257	7,145	48,405
Other Current and Accrued Liabilities	2,774	15	22,486	54,617	28,257	364,253
Total Current and Accrued Liabilities	62,816	3,310	187,113	149,674	370,466	813,190
Deferred Credits						
Customer Advances for Construction	0	0	3,114	2,965	321	7,392
Accumulated Deferred Investment Tax Credits	11,072	0	21,773	60,450	86,318	430,351
Deferred Gains from Disposition of Utility Plant	0	0	10,437	0	0	299
Unamortized Gain on Recaptured Debt	1,156	0	0	0	0	28
Accumulated Deferred Income Taxes	36,714	221	470,072	277,174	493,103	1,562,665
Other Deferred Credits	0	0	54,666	12,522	43,971	121,053
Total Deferred Credits	48,942	221	560,063	353,111	623,713	2,121,789
Total Liabilities and Other Credits	417,180	4,636	2,175,092	1,978,505	3,854,411	9,379,516

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Florida	Florida	Florida	Georgia	Georgia	Hawaii
Item	Florida Power Corp	Gulf Power Co	Tampa Electric Co	Georgia Power Co	Savannah Electric & Power Co	Hawaiian Electric Co Inc
Utility Plant						
Electric Utility Plant	4,156,759	1,436,772	2,266,356	13,300,704	542,381	950,940
Electric Construction Work in Progress	124,751	10,166	15,718	403,365	2,880	56,203
Total Electric Utility Plant	4,281,511	1,446,938	2,282,073	13,704,069	545,260	1,007,143
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	1,383,351	464,944	689,123	2,737,010	198,228	357,575
Net Electric Utility Plant (less nuclear fuel)	2,898,160	981,994	1,592,950	10,967,059	347,032	649,568
Nuclear Fuel	296,146	0	0	457,788	0	0
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	196,170	0	0	218,459	0	0
Net Nuclear Fuel	99,976	0	0	239,329	0	0
Other Utility Plant	0	0	0	0	0	0
Other Utility Construction Work in Progress	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	0	0	0	0	0	0
Net Other Utility Plant	0	0	0	0	0	0
All Utility Plant	4,452,905	1,436,772	2,266,356	13,758,491	542,381	950,940
All Utility Plant Construction Work in Progress	124,751	10,166	15,718	403,365	2,880	56,203
Total All Utility Plant	4,577,656	1,446,938	2,282,073	14,161,856	545,260	1,007,143
(less) All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	1,579,520	464,944	689,123	2,955,468	198,228	357,575
Net All Utility Plant	2,998,136	981,994	1,592,950	11,206,388	347,032	649,568
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	5,462	2,775	211	8,414	39	75
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	0	0	10	25,576	0	93,923
Other Investments	1	0	469	252,730	0	0
Special Funds	42,173	4,158	0	8,625	10	0
Total Other Property and Investments	47,636	6,933	689	-210,114	49	93,998
Current and Accrued Assets						
Cash	7,069	839	831	16,835	1,385	-3,395
Special Deposits	6,295	6	120	393	1,883	0
Working Funds	557	167	61	957	24	6
Temporary Cash Investments	0	30,785	3,046	142,090	6,900	1,998
Notes and Accounts Receivable (net)	103,708	40,914	71,341	295,748	12,721	49,074
Receivable from Associated Companies	137	2,081	1,205	37,683	265	15,551
Materials and Supplies	150,132	77,506	122,277	422,571	18,429	28,417
Prepayments	6,909	2,490	1,487	33,265	375	1,080
Miscellaneous Current and Accrued Assets	56,350	17,764	25,182	143,100	4,502	3
Total Current and Accrued Assets	317,019	172,552	225,153	1,092,551	46,483	92,734
Deferred Debits						
Unamortized Debt Expense	5,747	3,117	11,685	19,032	1,935	3,857
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	0	0	616	0	0	0
Preliminary Survey and Investigation Charges	732	1,282	819	342	541	44
Clearing Accounts	194	459	8	779	0	1,250
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	23	22	0	9	0
Unamortized Loss on Recaptured Debt	10,203	6,574	0	61,889	277	0
Accumulated Deferred Income Taxes	68,510	16,010	18,739	217,838	3,222	0
Other Deferred Debits	89,148	104,962	35,385	428,284	10,604	8,791
Total Deferred Debits	174,145	132,426	67,275	722,164	16,588	13,942
Total Assets and Other Debits	3,536,936	1,293,905	1,886,068	12,810,989	410,151	850,242

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Florida	Florida	Florida	Georgia	Georgia	Hawaii
Item	Florida Power Corp.	Gulf Power Co.	Tampa Electric Co.	Georgia Power Co.	Savannah Electric & Power Co.	Hawaiian Electric Co. Inc.
Proprietary Capital						
Common Stock Issued	354,405	38,060	119,697	344,250	54,223	54,463
Preferred Stock Issued	233,497	67,913	60,956	816,594	26,074	64,193
Capital Stock Subscribed						
Liability and Premium	962	88	15	1,089	8,681	89,059
Other Paid-in Capital	155,974	214,481	410,539	2,383,800	342	0
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	0	0	1,692	0	3,345	4,875
Retained Earnings	618,708	112,863	176,541	1,122,341	93,896	144,630
Unappropriated Undistributed Subsidiary						
Earnings	0	0	0	9,176	0	53,717
(less) Required Capital Stock	0	0	0	0	718	0
Total Proprietary Capital	1,363,546	433,384	766,059	4,677,250	179,093	411,168
Long-term Debt						
Bonds (less, reacquired)	775,793	297,300	516,442	3,278,399	123,735	147,000
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	3,114	57	332	185	4	0
(less) Unamortized Discount on Long-term Debt	81	2,719	0	46,758	0	0
Other Long-term Debt	255,500	202,558	0	1,774,920	0	72,580
Total Long-term Debt	1,034,326	497,195	516,774	5,006,687	123,739	219,580
Other Noncurrent Liabilities						
Obligations Under Capital Lease Noncurrent	15	0	0	99,262	3,524	0
Accumulated Provision for Property Insurance	1,683	6,092	0	3,298	25	0
Accumulated Provision for Injuries and Damages	3,855	1,114	7,043	0	490	0
Accumulated Provision for Pensions and Benefits	53,800	0	1,270	0	0	0
Accumulated Miscellaneous Operating Provisions	19,863	0	0	0	0	0
Accumulated Provisions for Rate Refunds	12,484	0	19,598	0	0	0
Total Other Noncurrent Liabilities	91,700	7,206	27,911	102,560	4,039	0
Current and Accrued Liabilities						
Notes Payable	76,000	0	20,000	0	0	36,900
Accounts Payable	59,601	23,057	54,187	316,489	6,996	23,221
Payables to Associated Companies	22,708	9,364	33,324	23,369	1,601	2,997
Taxes Accrued	29,872	6,446	2,275	91,424	1,604	8,173
Interest Accrued	28,849	10,105	11,466	162,513	4,287	3,567
Dividends Declared	0	1,386	0	17,635	571	661
Tax Collections Payable	5,225	1,599	3,112	33,109	481	390
Other Current and Accrued Liabilities	88,017	24,435	40,571	163,810	7,592	9,415
Total Current and Accrued Liabilities	304,267	76,393	164,935	828,411	23,131	85,323
Deferred Credits						
Customer Advances for Construction	15	0	0	0	1,669	2,166
Accumulated Deferred Investment Tax Credits	149,406	50,109	86,253	601,248	17,971	24,184
Deferred Gains from Disposition of Utility Plant	0	0	59	0	0	0
Unamortized Gain on Reacquired Debt	0	0	0	1,733	0	0
Accumulated Deferred Income Taxes	589,149	220,542	307,631	1,438,644	57,429	102,505
Other Deferred Credits	4,137	9,075	16,444	154,457	3,081	5,296
Total Deferred Credits	743,097	279,727	410,388	2,196,081	80,149	134,151
Total Liabilities and Other Credits	3,536,936	1,293,905	1,886,068	12,810,989	410,151	850,242

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 - Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Hawaii	Idaho	Illinois	Illinois	Illinois	Illinois
Item	Mau Electric Co. Ltd.	Idaho Power Co.	Central Illinois Light Co.	Central Illinois Pub. Serv. Co.	Commonwealth Edison Co.	Electric Energy Inc.
Utility Plant						
Electric Utility Plant	189,677	1,954,171	957,241	1,888,557	22,712,226	205,085
Electric Construction Work in Progress	4,628	21,425	6,722	17,178	740,419	5,453
Total Electric Utility Plant	194,304	1,975,596	963,963	1,905,735	23,452,645	210,538
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	67,435	548,846	370,981	729,365	5,933,084	201,282
Net Electric Utility Plant (less nuclear fuel)	126,869	1,426,750	592,982	1,185,371	17,519,561	9,256
Nuclear Fuel	0	0	0	0	1,380,301	0
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	0	844,790	0
Net Nuclear Fuel	0	0	0	0	535,511	0
Other Utility Plant	0	0	307,520	157,626	0	0
Other Utility Construction Work in Progress	0	0	1,501	670	0	0
Total Other Utility Plant	0	0	309,021	158,297	0	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	0	0	126,942	68,049	0	0
Net Other Utility Plant	0	0	182,079	90,247	0	0
All Utility Plant	189,677	1,954,171	1,264,761	2,046,184	24,092,527	205,085
All Utility Plant Construction Work in Progress	4,628	21,425	8,223	17,848	740,419	5,453
Total All Utility Plant	194,304	1,975,596	1,272,984	2,064,032	24,832,946	210,538
(less) All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	67,435	548,846	497,922	788,414	6,777,874	201,282
Net All Utility Plant	126,869	1,426,750	775,062	1,275,618	18,055,072	9,256
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	0	4,556	910	85	120,692	0
Investments in Associated Companies	0	0	0	21	0	0
Investments in Subsidiary Companies	0	12,249	476	2,143	171,900	0
Other Investments	186	3,038	3,738	26,171	3,034	0
Special Funds	0	2,533	0	0	121,457	0
Total Other Property and Investments	186	22,376	5,124	28,420	467,082	0
Current and Accrued Assets						
Cash	929	5,138	1,984	1,519	15,783	53
Special Deposits	0	1	0	7	16,119	0
Working Funds	2	145	37	71	2,823	33
Temporary Cash Investments	0	0	25,800	153,950	249,909	0
Notes and Accounts Receivable (net)	5,457	34,396	36,668	57,475	473,204	13,754
Receivable from Associated Companies	141	80	718	0	4,127	3,566
Materials and Supplies	7,775	32,671	36,725	83,170	686,419	11,184
Prepayments	106	6,621	5,111	8,032	46,228	2,753
Miscellaneous Current and Accrued Assets	2,607	22,587	51,415	51,951	13,520	0
Total Current and Accrued Assets	17,016	97,839	154,488	355,277	1,508,133	31,343
Deferred Debits						
Unamortized Debt Expense	829	5,183	1,921	1,265	9,360	0
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	0	4,064	0	0	6,059	0
Preliminary Survey and Investigation Charges	1,154	0	2	479	957	0
Clearing Accounts	-53	314	29	1	1,510	0
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	0	9	0	0
Unamortized Loss on Realigned Debt	0	218	0	2,816	104,856	0
Accumulated Deferred Income Taxes	0	5,763	5,592	24,027	259,358	2,831
Other Deferred Debits	1,234	70,800	15,866	28,506	101,387	758
Total Deferred Debits	3,169	86,933	17,916	57,094	483,487	3,589
Total Assets and Other Debits	147,240	1,633,898	952,590	1,716,408	20,513,774	44,187

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Hawaii	Idaho	Illinois	Illinois	Illinois	Illinois
Item	Mau Electric Co. Ltd.	Idaho Power Co.	Central Illinois Light Co.	Central Illinois Pub. Serv. Co.	Commonwealth Edison Co.	Electric Energy Inc.
Proprietary Capital						
Common Stock Issued	6,670	84,943	185,661	357,858	2,645,004	6,200
Preferred Stock Issued	12,060	58,323	64,620	89,090	950,802	0
Capital Stock Subscribed						
Liability and Premium	9,601	275,331	0	0	2,183,182	0
Other Paid in Capital	0	383	13	0	4,923	0
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	256	2,670	0	0	16,967	0
Retained Earnings	28,991	229,090	94,304	239,874	2,088,690	2,634
Unappropriated Undistributed Subsidiary Earnings	0	2,386	1	903	15,178	0
(less) Recquired Capital Stock	0	0	0	0	4,364	0
Total Proprietary Capital	57,066	648,385	344,600	687,636	7,869,449	8,834
Long-term Debt						
Bonds (less reacquired)	29,370	535,495	281,575	316,500	5,448,705	0
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	0	1,021	520	249	411	0
(less) Unamortized Discount on Long-term Debt	0	190	0	2,448	47,105	0
Other Long-term Debt	17,251	21,525	0	182,000	1,623,455	0
Total Long-term Debt	46,621	557,851	282,095	496,302	7,025,466	0
Other Noncurrent Liabilities						
Obligations Under Capital Lease-Noncurrent	0	0	63	0	413,489	0
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Injuries and Damages	0	4,202	1,267	0	71,145	0
Accumulated Provision for Pensions and Benefits	0	0	0	0	103,601	0
Accumulated Miscellaneous Operating Provisions	0	1,504	0	0	44,919	0
Accumulated Provisions for Rate Refunds	0	0	0	44,639	0	0
Total Other Noncurrent Liabilities	0	5,707	1,330	44,639	633,154	0
Current and Accrued Liabilities						
Notes Payable	0	31,000	0	0	625	12,300
Accounts Payable	4,749	22,192	37,535	59,197	329,640	11,615
Payables to Associated Companies	5,660	22,154	0	460	13,022	4,314
Taxes Accrued	3,273	19,050	3,604	19,930	223,429	1,730
Interest Accrued	1,166	12,343	6,567	8,934	176,089	227
Dividends Declared	159	189	911	0	180,310	2,871
Tax Collections Payable	58	703	216	829	8,079	12
Other Current and Accrued Liabilities	1,957	8,063	11,267	14,448	314,454	2,283
Total Current and Accrued Liabilities	17,023	115,694	60,100	103,798	1,245,648	35,353
Deferred Credits						
Customer Advances for Construction	4,028	4,789	1,837	1,300	780	0
Accumulated Deferred Investment Tax Credits	6,333	82,128	34,656	72,434	879,220	0
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recquired Debt	0	76	0	0	0	0
Accumulated Deferred Income Taxes	14,977	189,707	221,415	307,929	2,815,014	0
Other Deferred Credits	1,192	29,562	6,558	2,371	45,044	0
Total Deferred Credits	26,530	306,261	264,466	384,034	3,740,057	0
Total Liabilities and Other Credits	147,240	1,633,898	952,590	1,716,408	20,513,774	44,187

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Illinois	Illinois	Indiana	Indiana	Indiana	Indiana
Item	Illinois Power Co.	Mt. Carmel Public Utility Co.	Alico Generating Corp.	AEP Generating Co.	Commonwealth Edison Co. of Indiana Inc.	Indiana Michigan Power Co.
Utility Plant						
Electric Utility Plant	5,304,568	9,558	140,581	618,628	166,033	3,753,349
Electric Construction Work in Progress	58,749	0	2,381	1,943	4,611	52,572
Total Electric Utility Plant	5,363,317	9,558	142,961	620,571	170,645	3,805,922
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	1,219,462	5,091	95,177	99,356	105,823	1,258,647
Net Electric Utility Plant (less nuclear fuel)	4,143,855	4,467	47,384	521,215	64,822	2,537,275
Nuclear Fuel	185,264	0	0	0	0	90,195
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	0	0	1,284
Net Nuclear Fuel	185,264	0	0	0	0	88,911
Other Utility Plant	440,867	2,736	0	0	0	0
Other Utility Construction Work in Progress	6,597	0	0	0	0	0
Total Other Utility Plant	447,464	2,736	0	0	0	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	169,969	1,638	0	0	0	0
Net Other Utility Plant	277,495	1,098	0	0	0	0
All Utility Plant	5,930,699	12,295	140,581	618,628	166,033	3,843,544
All Utility Plant Construction Work in Progress	65,346	0	2,381	1,943	4,611	52,572
Total All Utility Plant	5,996,045	12,295	142,961	620,571	170,645	3,896,116
(less) All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	1,389,431	6,729	95,577	99,356	105,823	1,269,930
Net All Utility Plant	4,606,614	5,565	47,384	521,215	64,822	2,626,186
Other Property and Investments						
Nonutility Property, less:						
Accumulated Provision for Depreciation and Amortization	2,685	0	2,061	0	0	7,099
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	3,334	0	0	0	0	169,946
Other Investments	15,795	0	0	0	0	20,072
Special Funds	0	0	0	35	0	162,048
Total Other Property and Investments	21,725	0	2,061	35	0	359,163
Current and Accrued Assets						
Cash	6,889	189	0	1,061	265	7,625
Special Deposits	528	0	0	0	0	400,186
Working Funds	102	1	0	2,035	5	6,635
Temporary Cash Investments	58,708	1,207	0	161,021	4,121	180,972
Notes and Accounts Receivable (net)	104,758	927	114	281	2	116,850
Receivable from Associated Companies	2,912	0	5,834	19,741	9,155	12,829
Materials and Supplies	89,077	230	12,903	23,710	27,950	72,536
Prepayments	47,691	68	50	728	656	6,617
Miscellaneous Current and Accrued Assets	112,904	84	0	792	0	41,762
Total Current and Accrued Assets	408,892	2,705	18,302	205,297	42,153	845,996
Deferred Debits						
Unamortized Debt Expense	18,396	0	0	2,691	89	4,985
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	3,824	0	0	0	0	0
Preliminary Survey and Investigation Charges	0	0	0	0	0	43
Clearing Accounts	378	0	0	0	7	170
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	0	0	0	0
Unamortized Loss on Recaptured Debt	32,396	0	0	0	0	9,769
Accumulated Deferred Income Taxes	198,873	0	0	126,563	175	193,778
Other Deferred Debits	496,917	56	15	13,257	28	217,913
Total Deferred Debits	750,691	-56	16	142,512	298	426,658
Total Assets and Other Debits	5,787,922	8,215	67,763	869,060	107,273	4,258,004

See addendums at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Illinois Power Co.	Illinois Mt. Carmel Public Utility Co.	Indiana Alcoa Generating Corp.	Indiana AEP Generating Co.	Indiana Commonwealth Edison Co. of Indiana Inc.	Indiana Michigan Power Co.
Proprietary Capital						
Common Stock Issued	1,423,230	2,000	1,000	1,000	27,000	56,584
Preferred Stock Issued	474,000	0	0	0	20,000	215,030
Capital Stock Subscribed						
Liability and Premium	1,171	0	0	0	0	381
Other Paid in Capital	0	0	50,996	55,735	0	717,228
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	12,507	0	0	0	0	0
Retained Earnings	140,566	4,277	262	44,133	18,023	136,104
Unappropriated Undistributed Subsidiary Earnings	2,481	0	0	0	0	21,720
(less) Reacquired Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	2,028,946	6,277	52,258	100,868	65,023	1,147,047
Long-term Debt						
Bonds (less reacquired)	1,561,606	0	0	0	0	1,018,098
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	10	0	0	0	0	115
(less) Unamortized Discount on Long-term Debt	4,096	0	0	2,316	361	8,023
Other Long-term Debt	544,230	0	0	170,000	20,000	512,547
Total Long-term Debt	2,196,750	0	0	167,684	19,639	1,522,736
Other Noncurrent Liabilities						
Obligations Under Capital Lease Noncurrent	154,814	0	0	504	0	89,730
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Injuries and Damages	0	0	0	0	168	1,860
Accumulated Provision for Pensions and Benefits	0	0	0	0	8	19
Accumulated Miscellaneous Operating Provisions	0	0	0	0	0	99,153
Accumulated Provisions for Rate Refunds	0	0	0	0	0	0
Total Other Noncurrent Liabilities	154,814	0	0	504	176	190,763
Current and Accrued Liabilities						
Notes Payable	2,600	0	0	0	0	0
Accounts Payable	139,174	954	6,200	7,949	1,368	44,691
Payables to Associated Companies	276	0	4,027	1,848	2,166	55,928
Taxes Accrued	38,353	206	1,302	131,694	5,834	200,354
Interest Accrued	67,697	51	0	3,670	76	36,101
Dividends Declared	9,284	0	0	0	275	4,362
Tax Collections Payable	1,060	4	0	0	126	3,008
Other Current and Accrued Liabilities	75,076	88	0	13,775	869	102,725
Total Current and Accrued Liabilities	333,519	1,303	11,528	158,936	10,714	447,169
Deferred Credits						
Customer Advances for Construction	4,393	0	0	0	0	1,093
Accumulated Deferred Investment Tax Credits	252,021	251	2,705	98,575	3,529	221,666
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Reacquired Debt	20	0	0	0	0	0
Accumulated Deferred Income Taxes	136,843	306	1,272	94,309	8,192	473,745
Other Deferred Credits	80,616	79	0	248,181	0	253,784
Total Deferred Credits	1,073,893	635	3,977	441,067	11,721	950,289
Total Liabilities and Other Credits	5,787,922	8,215	67,763	869,060	107,273	4,258,004

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co.	Indiana Northern Indiana Public Service Co.	Indiana Public Service Co. of Indiana Inc.	Indiana Southern Indiana Gas & Elec. Co.	Iowa Interstate Power Co.	Iowa Iowa Electric Light & Power Co.
Utility Plant						
Electric Utility Plant	1,966,592	3,294,738	2,732,741	752,586	667,672	987,868
Electric Construction Work in Progress	45,891	69,507	78,716	10,869	9,405	27,980
Total Electric Utility Plant	2,012,473	3,364,245	2,811,457	763,455	677,076	1,015,848
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	619,777	1,034,990	1,143,461	267,122	265,026	399,692
Net Electric Utility Plant						
(less nuclear fuel)	1,392,696	2,329,256	1,667,996	496,332	412,050	616,156
Nuclear Fuel	0	0	0	0	0	66,510
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	0	0	0
Net Nuclear Fuel	0	0	0	0	0	66,510
Other Utility Plant	68,170	1,142,337	0	91,795	42,832	109,224
Other Utility Construction Work in Progress	6,293	31,541	0	3,170	35	3,160
Total Other Utility Plant	74,463	1,173,877	0	94,965	42,867	112,384
(less) Other Utility Accumulated Provision for Depreciation Amortization and Depletion	28,519	350,915	0	35,351	15,442	45,209
Net Other Utility Plant	45,944	822,962	0	59,613	27,425	67,175
All Utility Plant	2,034,762	4,437,075	2,732,741	844,381	710,503	1,163,602
All Utility Plant Construction Work in Progress	52,174	101,048	78,716	14,038	9,440	31,140
Total All Utility Plant	2,086,936	4,538,123	2,811,457	858,419	719,943	1,194,741
(less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	648,296	1,385,905	1,143,461	302,473	280,468	444,901
Net All Utility Plant	1,438,641	3,152,218	1,667,996	555,946	439,475	749,840
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	6,858	95	2,911	1,000	23	241
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	38	2,969	0	19,303	882	0
Other Investments	262	8,768	1,181	964	156	3,124
Special Funds	0	21	0	0	0	6,006
Total Other Property and Investments	7,178	11,853	4,093	21,267	1,061	9,372
Current and Accrued Assets						
Cash	4,350	8,823	1,733	6,275	883	1,640
Special Deposits	9,455	1,021	36,679	0	1	254
Working Funds	96	71	137	69	585	120
Temporary Cash Investments	6,800	6,623	0	16,661	0	0
Notes and Accounts Receivable (net)	42,983	132,882	8,938	30,413	23,065	9,916
Receivable from Associated Companies	77	6,901	122	0	0	490
Materials and Supplies	85,292	102,158	99,131	25,467	41,452	31,148
Prepayments	1,449	2,170	4,472	1,239	3,541	10,683
Miscellaneous Current and Accrued Assets	1,411	44,744	64,678	7,027	386	18,116
Total Current and Accrued Assets	151,413	305,395	215,891	86,972	69,914	72,367
Deferred Debits						
Unamortized Debt Expense	7,828	4,414	4,093	1,401	963	728
Extraordinary Property Losses	20,954	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	16,350	0	0	0	2,178	6,241
Preliminary Survey and Investigation Charges	1,349	1,021	4,525	121	27	0
Clearing Accounts	79	90	283	21	20	0
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	1,194	0	0	0	0	0
Unamortized Loss on Recaptured Debt	8,177	42,851	36,302	3,507	0	2,279
Accumulated Deferred Income Taxes	18,009	43,900	111,645	0	0	45,446
Other Deferred Debits	5,301	104,715	69,293	16,282	0	96,576
Total Deferred Debits	80,272	196,991	226,142	21,331	3,149	151,769
Total Assets and Other Debits	1,677,503	3,666,458	2,114,122	685,516	513,598	983,348

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co.	Indiana Northern Indiana Public Service Co.	Indiana Public Service Co. of Indiana Inc.	Indiana Southern Indiana Gas & Elec Co.	Iowa Interstate Power Co.	Iowa Iowa Electric Light & Power Co.
Proprietary Capital						
Common Stock Issued	324,537	859,488	539	102,691	32,542	33,427
Preferred Stock Issued	71,899	170,932	120,113	19,700	29,869	23,320
Capital Stock Subscribed						
Liability and Premium	1,363	254	856	0	102,056	139,703
Other Paid-in Capital	0	11,201	219,968	0	4,768	5,473
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	0	41	0	0	0	0
Retained Earnings	285,646	139,451	337,206	153,142	50,882	74,119
Unappropriated Undistributed Subsidiary Earnings	5	4,074	0	0	122	0
(less) Recquired Capital Stock	0	0	0	4,952	0	0
Total Proprietary Capital	683,449	1,185,441	678,682	270,581	220,241	276,042
Long-term Debt						
Bonds (less reacquired)	547,529	707,694	635,323	246,115	189,100	250,523
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	174	684	252	102	1	7
(less) Unamortized Discount on Long-term Debt	0	4,141	1,260	1,161	868	669
Other Long-term Debt	6,900	563,500	159,220	1,000	2,230	0
Total Long-term Debt	554,603	1,267,737	793,535	246,056	190,463	249,860
Other Noncurrent Liabilities						
Obligations Under Capital Lease Noncurrent	0	0	0	0	170	59,071
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Injuries and Damages	0	2,069	2,383	1,628	280	475
Accumulated Provision for Pensions and Benefits	0	0	14,585	0	0	0
Accumulated Miscellaneous Operating Provisions	0	2,386	4,252	0	0	0
Accumulated Provisions for Rate Refunds	0	3,226	0	0	0	9,500
Total Other Noncurrent Liabilities	0	7,680	21,221	1,628	449	69,047
Current and Accrued Liabilities						
Notes Payable	0	46,000	6,000	0	2,100	16,600
Accounts Payable	39,459	236,905	177,066	28,793	14,627	36,637
Payables to Associated Companies	160	1,328	2,488	64	0	586
Taxes Accrued	23,686	41,249	33,763	7,859	12,668	22,683
Interest Accrued	10,041	18,303	12,930	5,155	3,366	4,017
Dividends Declared	17,465	2,984	2,871	291	800	0
Tax Collections Payable	2,621	9,213	4,707	1,113	706	2,445
Other Current and Accrued Liabilities	9,966	27,494	12,397	4,815	5,509	23,987
Total Current and Accrued Liabilities	106,396	383,475	254,220	48,091	37,727	106,955
Deferred Credits						
Customer Advances for Construction	3	4,634	1,634	775	961	796
Accumulated Deferred Investment Tax Credits	70,161	117,625	78,144	34,056	24,212	41,845
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recquired Debt	0	0	0	0	0	0
Accumulated Deferred Income Taxes	262,517	638,279	286,472	84,322	37,070	189,293
Other Deferred Credits	371	61,527	215	6	2,400	49,510
Total Deferred Credits	333,053	822,125	366,464	119,159	64,669	281,444
Total Liabilities and Other Credits	1,677,503	3,666,458	2,114,122	685,516	513,598	983,348

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Iowa Power & Light Co.	Iowa Public Service Co.	Iowa Southern Utilities Co.	Iowa Blinn Gas & Electric Co.	Kansas Energy Corp.	Kansas Gas & Electric Co.
Utility Plant						
Electric Utility Plant	1,058,250	832,441	333,077	1,118,582	423,867	2,397,387
Electric Construction Work in Progress	57,317	4,977	10,252	20,409	1,085	13,181
Total Electric Utility Plant	1,115,566	837,419	343,329	1,141,991	424,952	2,410,658
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	385,921	307,316	116,641	368,831	177,231	551,465
Net Electric Utility Plant (less nuclear fuel)	729,646	530,103	226,688	773,160	247,721	1,859,203
Nuclear Fuel	0	0	0	139,532	0	82,646
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	108,967	0	66,935
Net Nuclear Fuel	0	0	0	30,565	0	15,711
Other Utility Plant	0	390,383	45,380	250,314	28,652	0
Other Utility Construction Work in Progress	0	3,833	99	4,507	0	0
Total Other Utility Plant	0	394,216	45,480	254,821	28,652	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	0	170,339	17,618	116,578	3,321	0
Net Other Utility Plant	0	260,877	27,862	138,243	25,331	0
All Utility Plant	1,058,250	1,222,824	378,458	1,508,428	452,516	2,480,133
All Utility Plant Construction Work in Progress	57,317	8,811	10,351	27,916	1,085	13,181
Total All Utility Plant	1,115,566	1,231,635	388,809	1,536,344	453,604	2,493,314
(less) All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	385,921	440,654	134,259	594,376	180,552	618,400
Net All Utility Plant	729,646	790,980	254,550	941,968	273,052	1,674,914
Other Property and Investments						
Nonutility Property, less Accumulated Provision for Depreciation and Amortization	1,645	1,050	0	498	7	508
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	6,762	0	0	86,062	944,701	0
Other Investments	255,311	32,912	275	4,588	238	792
Special Funds	0	0	524	6,881	7,073	873
Total Other Property and Investments	263,718	33,962	799	98,050	952,019	2,173
Current and Accrued Assets						
Cash	1,731	610	1,504	2,937	56	1,711
Special Deposits	0	2	0	158	59	13,518
Working Funds	355	324	64	3,837	87	961
Temporary Cash Investments	0	0	15,408	0	73,765	50,503
Notes and Accounts Receivable (net)	28,892	52,968	19,910	48,729	20,829	26,352
Receivable from Associated Companies	448	66,851	289	482	511,943	2,459
Materials and Supplies	19,365	18,920	13,672	22,875	9,543	49,393
Prepayments	1,831	4,308	1,131	12,052	3,697	8,956
Miscellaneous Current and Accrued Assets	16,486	27,842	1,623	46,414	211	65
Total Current and Accrued Assets	69,108	1,185,0	53,602	137,484	620,189	153,908
Deferred Debits						
Amortized Debt Expense	1,827	2,334	310	1,383	2,353	6,764
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	6,518	0	0	0	0	0
Preliminary Survey and Investigation Charges	517	2	0	537	3	28
Clearing Accounts	140	514	7	100	137	686
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	219	0	0	0	0
Unamortized Loss on Regulated Debt	6,411	2,380	0	1,932	5,328	4,648
Accumulated Deferred Income Taxes	2,424	1,695	2,506	8,326	10,663	17,485
Other Deferred Debits	75,891	3,489	1,552	16,330	7,446	85,690
Total Deferred Debits	23,666	16,635	4,376	28,409	26,031	1,045,300
Total Assets and Other Debits	1,086,139	1,013,428	313,327	1,205,910	1,871,292	3,076,295

See endnotes at end of table for further details.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Iowa	Iowa	Iowa	Iowa	Kansas	Kansas
Item	Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa Illinois Gas & Electric Co	Centel Corp	Kansas Gas & Electric Co
Proprietary Capital						
Common Stock Issued	75,865	0	28,743	202,903	244,829	636,815
Preferred Stock Issued	19,971	64,498	12,900	30,754	29,400	18,701
Capital Stock Subscribed						
Liability and Premium	57,048	117,227	15,124	32	111,636	265
Other Paid in Capital	25,116	130,383	0	18,668	12,401	0
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	0	0	0	0	4,001	0
Retained Earnings	165,378	48,496	66,581	211,910	975,892	162,072
Unappropriated Undistributed Subsidiary Earnings	722	0	0	0	86,263	0
(less) Recquired Capital Stock	0	0	0	156	347,719	134,800
Total Proprietary Capital	344,099	358,604	123,347	464,111	1,108,701	663,052
Long-term Debt						
Bonds (less reacquired)	339,013	271,185	73,316	373,780	365,697	384,225
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	68	0	0	30	0	283
(less) Unamortized Discount on Long-term Debt	395	1,681	609	1,809	1,557	292
Other Long-term Debt	162,304	43,805	21,000	0	0	417,141
Total Long-term Debt	500,990	313,309	93,707	372,000	364,140	801,357
Other Noncurrent Liabilities						
Obligations Under Capital Lease-Noncurrent	6,815	14,667	0	11,480	0	0
Accumulated Provision for Property Insurance	0	0	0	2,126	396	0
Accumulated Provision for injuries and Damages	600	637	354	1,045	0	1,375
Accumulated Provision for Pensions and Benefits	823	0	0	6,329	0	0
Accumulated Miscellaneous Operating Provisions	0	212	33	3,066	1,033	0
Accumulated Provisions for Rate Refunds	374	0	0	0	0	0
Total Other Noncurrent Liabilities	8,613	15,515	387	24,046	1,429	1,375
Current and Accrued Liabilities						
Notes Payable	11,400	36,725	0	10,500	0	141,400
Accounts Payable	21,811	51,323	14,082	38,120	16,394	78,056
Payables to Associated Companies	400	640	47	2,801	16,375	10,480
Taxes Accrued	30,183	33,672	9,096	24,238	144,923	12,353
Interest Accrued	9,829	7,438	1,594	9,686	8,649	17,762
Dividends Declared	210	0	0	512	18,653	0
Tax Collections Payable	1,094	1,402	287	1,182	1,981	2,472
Other Current and Accrued Liabilities	10,995	8,556	7,074	27,122	21,286	3,200
Total Current and Accrued Liabilities	85,921	139,757	32,180	114,163	228,261	265,722
Deferred Credits						
Customer Advances for Construction	2,719	1,862	3,731	1,781	1,790	0
Accumulated Deferred Investment Tax Credits	38,411	43,445	13,950	50,729	12,888	74,064
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recquired Debt	416	77	0	611	0	8
Accumulated Deferred Income Taxes	97,977	129,779	44,310	173,550	65,519	628,480
Other Deferred Credits	6,992	11,081	1,715	4,919	88,564	622,236
Total Deferred Credits	146,515	186,243	63,706	231,590	168,761	1,324,788
Total Liabilities and Other Credits	1,086,139	1,013,428	313,327	1,205,910	1,871,292	3,076,295

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light & Heat & Power Co
Utility Plant						
Electric Utility Plant	1,602,478	685,676	1,736,976	1,291,420	14,566	130,967
Electric Construction Work in Progress	8,112	11,580	8,782	682,846	4	1,512
Total Electric Utility Plant	1,610,590	697,256	1,745,758	1,974,266	14,570	132,480
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	511,073	201,590	652,322	469,548	6,120	44,168
Net Electric Utility Plant (less nuclear fuel)	1,099,517	495,665	1,093,436	1,504,718	8,450	88,312
Nuclear Fuel	0	0	0	0	0	0
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	0	0	0
Net Nuclear Fuel	0	0	0	0	0	0
Other Utility Plant	699,833	0	0	275,477	1,225	95,576
Other Utility Construction Work in Progress	11,460	0	0	9,708	0	1,186
Total Other Utility Plant	711,292	0	0	285,185	1,225	96,763
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	189,939	0	0	106,717	425	29,749
Net Other Utility Plant	521,353	0	0	178,468	800	67,014
All Utility Plant	2,302,310	685,676	1,736,976	1,566,897	15,792	226,544
All Utility Plant Construction Work in Progress	19,572	11,580	8,782	692,554	4	2,698
Total All Utility Plant	2,321,882	697,256	1,745,758	2,259,451	15,795	229,242
(less) All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	701,012	201,590	652,322	576,266	6,545	73,916
Net All Utility Plant	1,620,869	495,665	1,093,436	1,683,185	9,250	155,326
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	12	785	311	40	0	2
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	3,128	0	41,849	6,213	0	0
Other Investments	3,146	6,538	1,246	2,956	0	2
Special Funds	0	19	5,669	0	0	0
Total Other Property and Investments	6,285	7,342	49,075	9,209	0	4
Current and Accrued Assets						
Cash	5,205	1,407	182	448	35	1,235
Special Deposits	10	100	411	0	0	0
Working Funds	127	28	68	61	0	4
Temporary Cash Investments	1,200	0	104,080	0	0	0
Notes and Accounts Receivable (net)	128,975	19,858	37,967	64,481	0	31,631
Receivable from Associated Companies	29	3,729	3,481	0	66	780
Materials and Supplies	53,436	19,879	26,123	46,445	0	2,296
Prepayments	2,460	702	1,818	206	0	691
Miscellaneous Current and Accrued Assets	9,120	11,685	25,477	27,068	0	1,453
Total Current and Accrued Assets	200,562	57,389	199,243	138,709	101	38,089
Deferred Debits						
Unamortized Debt Expense	7,400	135	2,112	6,918	0	188
Extraordinary Property Losses	0	0	0	23,435	0	688
Unrecovered Plant and Regulatory Study Cost	0	0	0	0	0	0
Preliminary Survey and Investigation Charges	0	4,322	41	157	0	0
Cleaning Accounts	148	13	183	193	0	96
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	0	0	0	0
Unamortized Loss on Recaptured Debt	0	1,644	1,472	4,342	0	0
Accumulated Deferred Income Taxes	24,405	4,047	8,329	17,770	2	1,006
Other Deferred Debits	95,608	6,960	22,065	18,314	0	2,264
Total Deferred Debits	127,560	17,122	34,202	71,129	2	-286
Total Assets and Other Debits	1,955,277	577,518	1,375,957	1,902,232	9,353	193,132

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Kansas Kansas Power & Light Co.	Kentucky Kentucky Power Co.	Kentucky Kentucky Utilities Co.	Kentucky Louisville Gas & Electric Co.	Kentucky Ohio Valley Transmission Co.	Kentucky Union Light & Power Co.
Proprietary Capital						
Common Stock Issued	172,831	50,458	308,140	414,727	1	7,280
Preferred Stock Issued	44,458	0	73,600	118,000	0	0
Capital Stock Subscribed						
Liability and Premium	88,280	0	44	0	0	5,339
Other Paid-in Capital	890	58,750	0	0	0	0
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	864	0	0
(less) Capital Stock Expense	425	0	321	1,506	0	0
Retained Earnings	354,505	65,236	209,288	186,734	2,312	56,393
Unappropriated Undistributed Subsidiary Earnings	-382	0	9,960	2,312	0	0
(less) Recaptured Capital Stock	12,466	0	0	0	0	0
Total Proprietary Capital	646,660	174,436	600,711	719,903	2,313	69,012
Long-term Debt						
Bonds (less reacquired)	547,131	104,436	396,500	629,500	0	51,500
Advances from Associated Companies	0	0	0	0	3,900	0
Unamortized Premium on Long-term Debt	88	254	832	565	0	48
(less) Unamortized Discount on Long-term Debt	1,375	0	0	0	0	251
Other Long-term Debt	0	1,80,102	213	0	0	0
Total Long-term Debt	545,905	234,791	397,545	630,065	3,900	51,297
Other Noncurrent Liabilities						
Obligations under Capital Lease Noncurrent	2,143	1,389	0	0	0	0
Accumulated Provision for Property Insurance	2,765	0	249	0	0	0
Accumulated Provision for Injuries and Damages	831	1,654	554	0	0	250
Accumulated Provision for Pensions and Benefits	0	145	0	0	0	0
Accumulated Miscellaneous Operating Provisions	0	0	2,500	0	0	0
Accumulated Provisions for Rate Refunds	105	0	0	0	0	0
Total Other Noncurrent Liabilities	5,844	3,089	3,304	0	0	250
Current and Accrued Liabilities						
Notes Payable	136,895	3,200	0	59,200	0	13,800
Accounts Payable	174,933	19,070	12,288	88,644	2	10,189
Payables to Associated Companies	10	7,883	532	66	0	13,581
Taxes Accrued	15,800	10,584	9,515	4,262	135	102
Interest Accrued	15,487	5,324	12,299	15,865	0	1,531
Dividends Declared	15,652	0	0	16,976	0	0
Tax Collections Payable	6,652	1,247	1,427	2,619	2	392
Other Current and Accrued Liabilities	26,837	7,454	19,105	11,555	6	1,652
Total Current and Accrued Liabilities	392,068	54,762	55,166	199,186	145	41,248
Deferred Credits						
Customer Advances for Construction	8,463	669	1,828	8,584	0	1,537
Accumulated Deferred Investment Tax Credits	77,518	21,521	56,616	122,316	776	6,745
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recaptured Debt	0	0	0	31	0	0
Accumulated Deferred Income Taxes	276,267	81,172	256,329	219,901	2,220	19,570
Other Deferred Credits	2,553	7,078	4,458	4,246	0	3,474
Total Deferred Credits	364,801	110,440	319,231	353,078	2,995	31,325
Total Liabilities and Other Credits	1,955,277	577,518	1,375,957	1,902,232	9,353	193,132

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Louisiana	Louisiana	Louisiana	Louisiana	Maine	Maine
Item	Central Louisiana Electric Co. Inc.	Louisiana Power & Light Co.	New Orleans Public Service Inc.	Southwestern Electric Power Co.	Bangor Hydro- Electric Co.	Central Maine Power Co.
Utility Plant						
Electric Utility Plant	1,067,999	4,405,354	429,248	2,358,470	167,983	1,248,675
Electric Construction Work in Progress	19,284	112,954	4,238	23,748	8,756	54,320
Total Electric Utility Plant	1,087,283	4,518,308	433,485	2,382,218	176,740	1,302,995
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	274,046	1,015,680	230,680	674,678	61,243	384,240
Net Electric Utility Plant (less nuclear fuel)	813,237	3,502,628	202,805	1,707,540	115,496	918,755
Nuclear Fuel	0	104,615	0	0	0	6,626
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	0	0	4,463
Net Nuclear Fuel	0	104,615	0	0	0	2,173
Other Utility Plant	0	0	98,176	0	0	0
Other Utility Construction Work in Progress	0	0	1,915	0	0	0
Total Other Utility Plant	0	0	100,691	0	0	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	0	0	40,721	0	0	0
Net Other Utility Plant	0	0	56,970	0	0	0
All Utility Plant	1,067,999	4,509,969	526,023	2,358,470	167,983	1,255,311
All Utility Plant Construction Work in Progress	19,284	112,954	6,153	23,748	8,756	54,320
Total All Utility Plant	1,087,283	4,622,923	534,176	2,382,218	176,740	1,309,631
(less) All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	274,046	1,015,680	274,401	674,678	61,243	388,703
Net All Utility Plant	813,237	3,607,243	259,775	1,707,540	115,496	920,928
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	460	20,060	0	51	465	2,550
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	0	14,230	1,259	161	5,521	45,560
Other Investments	14,764	749	0	562	0	61
Special Funds	3,290	0	0	0	0	2
Total Other Property and Investments	18,514	35,038	3,259	780	5,986	48,173
Current and Accrued Assets						
Cash	1,118	65	0	525	633	-3,368
Special Deposits	6	9,116	23	712	169	160
Working Funds	226	396	86	104	32	58
Temporary Cash Investments	3,500	29,623	0	0	373	0
Notes and Accounts Receivable (net)	18,537	90,945	40,686	8,318	16,351	75,166
Receivable from Associated Companies	0	91,479	37,439	5,580	0	1,862
Materials and Supplies	22,446	77,774	8,261	111,757	5,223	25,458
Prepayments	7,461	5,391	985	14,900	1,000	6,038
Miscellaneous Current and Accrued Assets	14,495	80,648	6,180	1,371	6,150	30,353
Total Current and Accrued Assets	67,788	385,437	93,659	143,276	29,931	135,728
Deferred Debits						
Unamortized Debt Expense	2,425	12,218	2,850	1,565	649	3,727
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	0	0	0	0	0	142,324
Preliminary Survey and Investigation Charge	417	1,832	29	57	2,483	3,126
Clearing Accounts	-143	0	0	0	5,063	0
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development, and Demonstration Expenditures	0	0	0	0	0	164
Unamortized Loss on Recaptured Debt	2,167	25,876	0	33,715	1,072	17,879
Accumulated Deferred Income Taxes	7,833	273,882	34,335	16,243	3,753	9,520
Other Deferred Debits	6,393	210,831	187,657	32,126	67,699	48,895
Total Deferred Debits	19,093	526,639	224,871	83,705	80,720	225,635
Total Assets and Other Debits	918,631	4,554,356	581,564	1,935,301	232,132	1,330,464

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Louisiana	Louisiana	Louisiana	Louisiana	Maine	Maine
Item	Central Louisiana Electric Co. Inc.	Louisiana Power & Light Co.	New Orleans Public Service Inc.	Southwestern Electric Power Co.	Bangor Hydro- Electric Co.	Central Maine Power Co.
Proprietary Capital						
Common Stock Issued	44,964	903,900	87,735	135,660	22,253	129,315
Preferred Stock Issued	15,415	285,682	30,729	56,000	19,734	51,196
Capital Stock Subscribed						
Liability and Premium	109,088	383	438	33	26,858	191,825
Other Paid-in Capital	1,126	0	2,078	245,000	0	101
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	7,345	205	0	0	0
(less) Capital Stock Expense	41	1,110	240	396	2,272	216
Retained Earnings	107,775	37,762	8,883	259,320	18,909	86,498
Unappropriated Undistributed Subsidiary Earnings	46,019	0	0	189	535	7,634
(less) Recquired Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	324,345	1,219,272	109,318	695,805	86,017	466,352
Long-term Debt						
Bonds (less reacquired)	260,404	1,114,000	248,250	553,296	72,965	410,123
Advances from Associated Companies	0	0	0	0	0	670
Unamortized Premium on Long-term Debt	12	896	187	7	0	0
(less) Unamortized Discount on Long-term Debt	145	8,016	61	5,452	0	952
Other Long-term Debt	67,261	636,349	0	50,796	0	50,798
Total Long-term Debt	327,552	1,743,229	248,376	598,648	72,965	460,639
Other Noncurrent Liabilities						
Obligations Under Capital Lease Noncurrent	0	53,902	2,169	29,375	0	20,500
Accumulated Provision for Property Insurance	675	6,010	12,922	0	0	0
Accumulated Provision for Injuries and Damages	2,025	6,153	2,416	0	0	4,475
Accumulated Provision for Pensions and Benefits	2,223	0	0	0	1,505	4,639
Accumulated Miscellaneous Operating Provisions	0	0	0	0	242	3,244
Accumulated Provisions for Rate Refunds	0	0	0	1,479	0	0
Total Other Noncurrent Liabilities	4,922	66,066	17,527	30,854	-1,264	32,858
Current and Accrued Liabilities						
Notes Payable	47,183	0	0	0	17,500	49,250
Accounts Payable	41,303	90,958	23,136	36,209	18,033	73,870
Payables to Associated Companies	0	30,803	25,223	22,387	0	8,918
Taxes Accrued	6,474	23,628	1,491	15,675	-2,626	10,899
Interest Accrued	8,115	37,902	8,620	19,218	1,407	6,585
Dividends Declared	0	7,481	5,117	889	1,446	10,808
Tax Collections Payable	402	8,600	2,869	0	279	2,371
Other Current and Accrued Liabilities	17,883	99,319	14,094	23,271	427	13,357
Total Current and Accrued Liabilities	121,361	301,692	80,550	117,648	36,467	176,058
Deferred Credits						
Customer Advances for Construction	498	2,980	1,074	233	73	3,616
Accumulated Deferred Investment Tax Credits	44,134	19,999	3,986	107,229	1,496	39,768
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recquired Debt	2	0	0	1,890	0	0
Accumulated Deferred Income Taxes	95,789	600,004	76,215	380,407	36,356	147,579
Other Deferred Credits	29	601,116	44,518	2,587	21	3,594
Total Deferred Credits	140,452	1,224,099	125,793	492,346	37,946	194,558
Total Liabilities and Other Credits	918,631	4,554,356	581,564	1,935,301	232,132	1,330,464

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Maine Electric Power Co. Inc.	Maine Public Service Co.	Maine Yankee Atomic Power Co.	Maryland Baltimore Gas & Electric Co.	Maryland Potomac Edison Co.	Massachusetts Boston Edison Co.
Utility Plant						
Electric Utility Plant	21,096	64,631	347,116	4,043,284	1,291,368	3,167,687
Electric Construction Work in Progress	23,188	263	8,286	638,190	57,854	74,330
Total Electric Utility Plant	44,284	64,894	355,402	4,681,474	1,349,222	3,242,017
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	14,660	28,059	128,085	1,324,926	466,389	950,703
Net Electric Utility Plant (less nuclear fuel)	29,624	36,835	227,316	3,356,548	882,833	2,291,314
Nuclear Fuel	0	0	403,940	747,218	0	235,862
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	139,216	571,660	0	142,023
Net Nuclear Fuel	0	0	64,723	175,558	0	93,839
Other Utility Plant	0	0	0	781,975	0	0
Other Utility Construction Work in Progress	0	0	0	66,741	0	0
Total Other Utility Plant	0	0	0	848,716	0	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	0	0	0	236,402	0	0
Net Other Utility Plant	0	0	0	612,313	0	0
All Utility Plant	21,096	64,631	751,056	5,572,477	1,291,368	3,403,549
All Utility Plant Construction Work in Progress	23,188	263	8,286	704,931	57,854	74,330
Total All Utility Plant	44,284	64,894	759,342	6,277,408	1,349,222	3,477,879
(less) All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	14,660	28,059	467,302	2,132,988	466,389	1,092,726
Net All Utility Plant	29,624	36,835	292,040	4,144,419	882,833	2,385,153
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	0	703	0	4,683	3,230	956
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	0	8,761	0	299,555	75,236	22,352
Other Investments	0	0	0	3,783	0	74
Special Funds	35	0	47,009	17,462	0	31,235
Total Other Property and Investments	35	8,964	47,009	325,503	78,466	54,618
Current and Accrued Assets						
Cash	23	326	537	9,249	1,728	1,034
Special Deposits	0	1,326	0	2,403	82	705
Working Funds	0	0	14	876	137	99
Temporary Cash Investments	1,100	0	0	0	0	0
Notes and Accounts Receivable (net)	623	5,671	1,969	271,559	35,776	186,261
Receivable from Associated Companies	108	103	16,182	385	2,487	0
Materials and Supplies	0	1,153	10,086	155,270	45,348	89,643
Prepayments	67	15	4,832	98,836	5,329	6,328
Miscellaneous Current and Accrued Assets	15	2,286	84	3,510	9,207	1,044
Total Current and Accrued Assets	1,883	10,722	33,704	542,088	100,095	285,116
Deferred Debits						
Unamortized Debt Expense	13	294	981	1,943	1,236	3,577
Extraordinary Property Losses	0	0	0	0	0	83,523
Unrecovered Plant and Regulatory Study Costs	0	45,076	0	0	0	4,414
Preliminary Survey and Investigation Charges	18	879	176	120	4,701	897
Clearing Accounts	0	74	0	239	347	0
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	0	5,164	0	9
Unamortized Loss on Recaptured Debt	0	1,439	53	4,162	4,616	24,086
Accumulated Deferred Income Taxes	171	0	1,269	114,307	19,511	93,230
Other Deferred Debits	0	1,099	4,594	984,014	2,171	38,516
Total Deferred Debits	204	48,475	6,398	511,470	32,581	248,252
Total Assets and Other Debits	31,746	104,995	419,151	5,523,481	1,093,975	2,973,139

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Maine Maine Electric Power Co. Inc.	Maine Maine Public Service Co.	Maine Maine Yankee Atomic Power Co.	Maryland Baltimore Gas & Electric Co.	Maryland Potomac Edison Co.	Massachusetts Boston Edison Co.
Proprietary Capital						
Common Stock Issued	880	13,071	50,000	864,233	267,700	192,630
Preferred Stock Issued	0	3,292	7,800	498,785	87,008	136,175
Capital Stock Subscribed						
Liability and Premium	0	12	110	157	65	394,237
Other Paid-in Capital	0	113	17,834	0	2,650	-2,099
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	17	0	0	0	0
(less) Capital Stock Expense	0	34	113	3,466	0	0
Retained Earnings	0	26,178	130	1,026,081	138,500	136,594
Unappropriated Undistributed Subsidiary Earnings	0	4,323	0	114,183	12,669	6,358
(less) Recaptured Capital Stock	0	386	325	0	0	0
Total Proprietary Capital	880	46,552	75,436	2,499,973	508,591	863,896
Long-term Debt						
Bonds (less: reacquired)	4,620	30,293	58,561	1,224,407	256,000	954,514
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	0	0	14	272	363	604
(less) Unamortized Discount on Long-term Debt	0	0	61	7,152	930	2,819
Other Long-term Debt	0	0	124,411	486,100	60,100	0
Total Long-term Debt	4,620	30,293	182,925	1,703,627	320,533	952,298
Other Noncurrent Liabilities						
Obligations under Capital Lease-Noncurrent	0	0	0	645	1,723	0
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Injuries and Damages	0	0	0	0	1,267	0
Accumulated Provision for Pensions and Benefits	0	0	0	2,036	362	0
Accumulated Miscellaneous Operating Provisions	0	0	0	0	0	0
Accumulated Provisions for Rate Refunds	0	0	0	0	0	4,042
Total Other Noncurrent Liabilities	0	0	0	2,981	3,352	4,042
Current and Accrued Liabilities						
Notes Payable	0	5,000	9,000	117,300	53,776	213,840
Accounts Payable	1,707	2,991	20,191	236,778	29,447	112,645
Payables to Associated Companies	107	930	276	1,187	9,192	2,092
Taxes Accrued	23	309	865	22,809	15,211	8,669
Interest Accrued	178	899	1,246	37,411	4,214	21,104
Dividends Declared	26	824	2,265	50,983	1,619	17,308
Tax Collections Payable	0	93	127	12,601	769	1,154
Other Current and Accrued Liabilities	257	752	305	69,432	7,629	92,507
Total Current and Accrued Liabilities	2,298	11,798	34,275	548,501	121,858	469,318
Deferred Credits						
Customer Advances for Construction	0	240	0	4,746	2,431	2,857
Accumulated Deferred Investment Tax Credits	180	1,188	10,216	184,991	40,645	94,835
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recaptured Debt	387	0	6,785	0	0	0
Accumulated Deferred Income Taxes	1,629	12,482	68,921	670,456	87,032	470,458
Other Deferred Credits	21,753	2,444	40,593	7,133	9,532	115,435
Total Deferred Credits	23,949	16,353	126,515	768,399	139,641	683,584
Total Liabilities and Other Credits	31,746	104,995	419,151	5,523,481	1,093,975	2,973,139

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts Cambridge Electric Light Co.	Massachusetts Canal Electric Co.	Massachusetts Commonwealth Electric Co.	Massachusetts Eastern Edison Co.	Massachusetts Fitchburg Gas & Electric Light Co.	Massachusetts Holyoke Water Power Co.
Utility Plant						
Electric Utility Plant	122,580	142,975	396,313	190,240	52,229	74,403
Electric Construction Work in Progress	2,230	229,534	10,068	1,235	305	4,086
Total Electric Utility Plant	124,810	372,509	406,380	191,475	52,535	78,489
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	39,601	81,634	111,224	52,598	16,307	33,043
Net Electric Utility Plant (less nuclear fuel)	85,209	290,874	295,156	138,877	36,228	45,445
Nuclear Fuel	0	14,485	0	0	583	0
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	0	437	0
Net Nuclear Fuel	0	14,485	0	0	146	0
Other Utility Plant	0	0	0	0	23,380	0
Other Utility Construction Work in Progress	0	0	0	0	865	0
Total Other Utility Plant	0	0	0	0	24,246	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	0	0	0	0	4,839	0
Net Other Utility Plant	0	0	0	0	19,407	0
All Utility Plant	122,580	157,460	396,313	190,240	76,193	74,403
All Utility Plant Construction Work in Progress	2,230	229,534	10,068	1,235	1,171	4,086
Total All Utility Plant	124,810	386,994	406,380	191,475	77,364	78,489
(less) All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	39,601	81,634	111,224	52,598	21,583	33,043
Net All Utility Plant	85,209	305,360	295,156	138,877	55,781	45,445
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	1,357	31	86	96	24	847
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	8,858	3,359	526	373,848	29	759
Other Investments	1,111	148	248	53	11	28
Special Funds	1	0	0	0	0	0
Total Other Property and Investments	11,327	3,538	860	373,995	64	1,634
Current and Accrued Assets						
Cash	1	0	0	25	791	801
Special Deposits	0	0	0	0	0	121
Working Funds	2	6	13	18	4	5
Temporary Cash Investments	0	0	0	0	0	0
Notes and Accounts Receivable (net)	8,240	11,854	30,474	32,271	9,002	2,341
Receivable from Associated Companies	1,379	17,390	2,203	8,524	0	4,232
Materials and Supplies	2,355	2,807	8,420	3,988	1,520	7,609
Prepayments	915	235	1,906	1,272	1,966	109
Miscellaneous Current and Accrued Assets	2,544	1,305	22,247	26	1,706	9
Total Current and Accrued Assets	20,446	33,597	65,263	46,123	14,990	15,239
Deferred Debits						
Unamortized Debt Expense	209	504	229	11,138	697	375
Extraordinary Property Losses	0	0	0	0	14,617	0
Unrecovered Plant and Regulatory Study Cost	0	13,244	0	0	0	0
Preliminary Survey and Investigation Charges	16	12	561	83	-13	0
Cleaning Accounts	0	0	0	10	0	0
Deferred losses from Disposition of Utility Plant	0	0	0	0	0	0
Receipts Development and Demonstration Expenditures	0	0	0	0	0	0
Unamortized Loss on Recaptured Debt	132	0	580	0	0	0
Accumulated Deferred Income Taxes	421	3,380	1,986	736	0	0
Other Deferred Debits	2,325	12,946	23,642	16,473	8,603	1,381
Total Deferred Debits	3,103	30,087	26,998	28,400	23,944	1,757
Total Assets and Other Debits	120,085	172,581	388,277	587,395	94,779	64,075

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (ContinueJ)**
(Thousand Dollars)

	Massachusetts Cambridge Electric Light Co.	Massachusetts Canal Electric Co.	Massachusetts Commonwealth Electric Co.	Massachusetts Eastern Edison Co.	Massachusetts Fitchburg Gas & Electric Light Co.	Massachusetts Holyoke Water Power Co.
Proprietary Capital						
Common Stock Issued	7,615	38,080	40,162	72,284	12,449	2,400
Preferred Stock Issued	0	0	0	44,000	3,048	0
Capital Stock Subscribed						
Liability and Premium	23,753	8,321	73,050	5,872	10,190	0
Other Paid-in Capital	0	0	0	41,425	0	6,000
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	0	12	0	530	1,558	0
Retained Earnings	12,216	71,437	13,990	7,086	9,532	12,318
Unappropriated Undistributed Subsidiary Earnings	3,841	0	142	85,950	0	157
(less) Recaptured Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	38,425	117,825	127,343	256,087	34,061	20,561
Long-term Debt						
Bonds (less recaptured)	0	51,806	0	270,000	0	880
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	1	16	30	79	0	0
(less) Unamortized Discount on Long-term Debt	0	0	134	97	349	0
Other Long-term Debt	37,820	0	126,118	0	36,634	29,000
Total Long-term Debt	37,837	51,822	126,014	269,982	36,285	23,880
Other Noncurrent Liabilities						
Obligations under Capital Lease Noncurrent	0	0	0	0	0	0
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Injuries and Damages	0	0	0	0	0	366
Accumulated Provision for Pensions and Benefits	0	0	0	0	0	123
Accumulated Miscellaneous Operating Provisions	18	0	45	0	10	0
Accumulated Provisions for Rate Refunds	1,763	1,763	1,042	0	0	0
Total Other Noncurrent Liabilities	1,781	1,763	1,088	0	10	490
Current and Accrued Liabilities						
Notes Payable	11,325	80,400	15,575	12,207	3,800	0
Accounts Payable	5,038	25,004	15,781	973	5,226	2,513
Payables to Associated Companies	5,212	12,528	15,728	11,815	-1	3,259
Taxes Accrued	860	2,558	4,238	16	38	1,794
Interest Accrued	1,011	1,278	3,248	7,848	1,181	278
Dividends Declared	0	0	4,016	400	0	0
Tax Collections Payable	0	10	0	43	-34	-31
Other Current and Accrued Liabilities	1,376	1,348	5,719	2,122	401	510
Total Current and Accrued Liabilities	24,822	123,126	64,306	35,424	10,611	8,385
Deferred Credits						
Customer Advances for Construction	2	0	8,246	29	468	0
Accumulated Deferred Investment Tax Credits	2,518	15,404	10,350	5,651	1,696	5,027
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recaptured Debt	0	0	0	0	0	0
Accumulated Deferred Income Taxes	13,946	57,106	48,523	19,566	4,704	5,546
Other Deferred Credits	754	5,535	4,437	655	6,964	186
Total Deferred Credits	17,220	78,045	69,526	25,902	13,812	10,759
Total Liabilities and Other Credits	120,085	372,581	388,277	587,395	94,779	64,075

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts Electric Co.	Massachusetts Electric Co.	Massachusetts New England Power Co.	Massachusetts Western Massachusetts Electric Co.	Massachusetts Faneuil Atomic Electric Co.	Michigan Consumers Power Co.
Utility Plant						
Electric Utility Plant	1,053,420	353,145	2,036,831	1,079,687	90,259	4,192,577
Electric Construction Work in Progress	13,572	188,538	322,772	18,241	4,742	94,524
Total Electric Utility Plant	1,066,991	542,263	2,361,602	1,097,928	95,000	4,287,111
Less: Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	285,460	113,176	709,051	279,695	79,484	1,637,011
Net Electric Utility Plant (less nuclear fuel)	781,531	429,087	1,652,551	818,233	15,517	2,650,100
Nuclear Fuel	0	21,537	31,340	159,072	36,331	224,187
Less: Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	2,921	20,196	121,178	17,311	213,044
Net Nuclear Fuel	0	18,157	11,151	28,894	19,020	11,143
Other Utility Plant	0	0	0	0	0	1,529,388
Other Utility Construction Work in Progress	0	0	0	0	0	13,123
Total Other Utility Plant	0	0	0	0	0	1,542,711
Less: Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	0	0	0	0	0	737,078
Net Other Utility Plant	0	0	0	0	0	865,633
All Utility Plant	1,066,991	563,340	2,392,943	1,248,000	131,332	6,154,009
Less: All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	285,460	116,097	729,247	400,873	96,795	2,627,133
Net All Utility Plant	781,531	447,243	1,663,702	847,127	34,537	3,526,876
Other Property and Investments						
Nonutility Property Held						
Accumulated Provision for Depreciation and Amortization	1,575	2,512	9,178	1,625	802	20,490
Investments in Associated Companies	0	0	0	0	0	157,530
Investments in Subsidiary Companies	0	13,238	46,091	14,136	0	2,903,332
Other Investments	137	0	26	605	0	53,744
Special Funds	0	0	0	0	43,718	44,199
Total Other Property and Investments	1,695	15,746	52,888	18,366	44,520	2,279,295
Current and Accrued Assets						
Cash	1,761	1,015	183	32	70	8,841
Special Deposits	127	0	74	33	0	1
Working Funds	58	0	124	40	87	281
Temporary Cash Investments	0	0	0	0	0	12,389
Notes and Accounts Receivable	124,424	12,451	31,617	32,746	13,286	100,571
Receivables from Associated Companies	1,359	27,823	1,312,023	4,346	0	65,868
Materials and Supplies	18,607	10,567	47,731	52,081	1,074	103,523
Prepayments	3,710	2,905	3,230	4,466	377	12,996
Marketable Government and Asset Assets	112	0	8,136	21,386	0	506,937
Total Current and Accrued Assets	130,077	47,826	273,650	75,143	14,888	811,365
Deferred Debits						
Unamortized Debt Expense	796	0	3,457	2,386	0	9,225
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Costs	0	4,138	35,474	71,942	0	1,444,396
Preiminary Surveys and Investigation Charges	353	247	1,607	0	0	0
Creating Assets	0	10	0	7	0	279
Deferred Losses from Liquidation of Utility Plant	0	0	0	0	0	0
Unrecovered Development and Demonstration Expenditures	0	0	0	0	0	0
Unamortized Loss on Acquired Debt	8,106	0	70,097	6,915	0	1,644
Accumulated Deferred Income Taxes	33,952	0	145,085	1,795	13,335	665,187
Other Deferred Debits	0	5,167	28,623	82,607	293	500,457
Total Deferred Debits	37,104	12,228	234,264	172,423	14,069	2,626,688
Total Assets and Other Debits	950,407	523,043	2,224,503	1,113,059	108,014	9,244,224

See endnotes at end of annual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts Electric Co.	Massachusetts Montauk Electric Co.	Massachusetts New England Power Co.	Massachusetts Western Massachusetts Electric Co.	Massachusetts Yankee Atomic Electric Co.	Michigan Consumers Power Co.
Proprietary Capital						
Common Stock Issued	54,453	83,600	128,488	26,812	15,340	641,788
Preferred Stock Issued	40,000	1,000	86,028	118,500	0	186,506
Capital Stock Subscribed						
Liability and Premium	36,761	0	86,841	9,329	0	860,526
Other Paid-in Capital	40,793	29,528	288,080	143,652	0	27,787
Adjustments Received on Capital Stock	0	0	0	0	0	0
Discount on Capital Stock	0	0	0	0	0	0
Cost Capital Stock Expired	0	0	0	6,274	0	25,195
Retained Earnings	81,526	62,343	168,267	49,422	5,681	562,263
Unappropriated Undistributed Subsidiary Earnings	0	1,807	11,508	6,071	0	46,100
Less Reacquired Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	288,301	200,578	770,092	398,911	21,021	2,302,880
Long-term Debt						
Bonds, Deep Discounted	203,118	173,288	767,950	298,210	0	2,177,129
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	247	0	742	242	0	993
Less Unamortized Discount on Long-term Debt	1,150	0	702	727	0	9,716
Other Long-term Debt	0	0	0	99,413	18,000	429,181
Total Long-term Debt	272,258	173,270	760,970	397,136	18,000	3,090,597
Other Noncurrent Liabilities						
Obligations Under Capital Lease Noncurrent	1,913	0	28,331	35,264	0	78,164
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Nuclear and Damages	0	0	0	666	0	9,430
Accumulated Provision for Pensions and Benefits	0	0	0	716	0	32,033
Accumulated Miscellaneous Operating Provisions	0	0	0	0	0	474,540
Accumulated Provisions for Rate Refunds	0	0	2,480	0	0	50,807
Total Other Noncurrent Liabilities	1,913	0	23,231	36,646	0	620,908
Current and Accrued Liabilities						
Notes Payable	0	31,675	0	32,000	1,390	205,850
Accounts Payable	6,008	22,637	103,760	15,515	5,316	217,321
Payable to Associated Companies	165,730	4,213	57,363	17,018	207	23,351
Taxes Accrued	351	519	1,547	2,872	767	224,922
Interest Accrued	4,749	6,130	14,237	7,244	396	85,152
Dividends Declared	7,857	0	0	956	0	3,230
Tax Liabilities Payable	254	0	127	191	52	17,972
Other Current and Accrued Liabilities	22,467	1,435	6,183	23,383	2,125	202,629
Total Current and Accrued Liabilities	202,399	68,613	182,718	93,435	16,063	980,468
Deferred Credits						
Customer Advances for Construction	9,890	0	0	489	0	20,979
Accumulated Deferred Investment Tax Credits	24,920	16,266	106,287	42,212	689	235,606
Deferred Gain from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Reacquired Debt	0	0	0	24	0	0
Accumulated Deferred Income Taxes	142,801	55,790	353,782	143,055	876	1,775,119
Other Deferred Credits	521	8,526	13,424	1,151	51,364	252,666
Total Deferred Credits	185,536	80,582	487,492	185,931	52,929	2,249,371
Total Liabilities and Other Credits	950,407	523,043	2,224,503	1,113,059	108,014	9,244,224

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Gasworks, and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
Item	Detroit Edison Co.	Edison Sault Electric Co.	Michigan Power Co.	Upper Peninsula Power Co.	Minnesota Power & Light Co.	Northern States Power Co.
Electric Plant						
Electric Utility Plant	11,219,948	49,474	48,077	125,248	1,104,669	4,543,869
Electric Construction Work in Progress	62,479	102	1,916	1,368	9,488	99,907
Total Electric Utility Plant	11,282,427	49,576	49,993	126,616	1,114,156	4,643,776
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	2,747,783	17,425	15,649	48,065	353,461	1,583,727
Net Electric Utility Plant (less nuclear fuel)	8,534,644	32,151	34,344	78,551	760,695	3,060,049
Nuclear Fuel	363,144	0	0	0	0	583,763
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	2,577	0	0	0	0	486,948
Net Nuclear Fuel	300,567	0	0	0	0	96,815
Other Utility Plant	59,456	0	0	0	0	479,766
Other Utility Construction Work in Progress	568	0	0	0	0	11,731
Total Other Utility Plant	60,024	0	0	0	0	491,497
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	29,622	0	0	0	0	195,993
Net Other Utility Plant	36,401	0	0	0	0	295,504
All Utility Plant	11,582,548	49,474	48,077	125,248	1,104,669	5,607,399
All Utility Plant Construction Work in Progress	63,046	102	1,916	1,368	9,488	111,637
Total All Utility Plant	11,645,594	49,576	49,993	126,616	1,114,156	5,719,036
(less) All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	2,775,982	17,425	15,649	48,065	353,461	2,269,658
Net All Utility Plant	8,871,612	32,151	34,344	78,551	760,695	3,452,388
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	9,936	14	59	664	4,303	56,083
Investments in Associated Companies	0	0	0	0	31,799	0
Investments in Subsidiary Companies	8,601	0	0	0	172,400	283,709
Other Investments	2,924	142	67	0	243,807	26,301
Special Funds	48,929	27	6	0	155	2,308
Total Other Property and Investments	68,370	183	132	664	452,465	368,401
Current and Accrued Assets						
Cash	3,985	287	474	363	7,542	10,658
Special Deposits	1,224	0	22	0	10	88
Working Funds	296	2	6	29	127	334
Temporary Cash Investments	9,000	187	0	550	11,653	37,812
Notes and Accounts Receivable (net)	180,982	2,464	3,162	8,065	42,228	172,857
Receivable from Associated Companies	0	0	100	34	12,882	45,739
Materials and Supplies	322,151	956	547	4,353	16,165	120,653
Prepayments	6,514	18	32	396	3,974	8,311
Miscellaneous Current and Accrued Assets	72,613	992	2,655	3,066	3,596	6,181
Total Current and Accrued Assets	596,738	5,406	6,998	16,796	91,577	402,932
Deferred Debits						
Unamortized Debt Expense	50,430	17	88	228	4,163	9,494
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	20,183	0	0	0	0	0
Preliminary Survey and Investigation Charges	2,195	0	0	58	1,176	0
Cleaning Accounts	639	0	105	5	780	1,504
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	50	0	0	0	0	0
Unamortized Loss on Reargined Debt	493	0	0	0	1,642	22,686
Accumulated Deferred Income Taxes	194,840	198	595	1,595	16,136	123,036
Other Deferred Debits	741,308	1,340	205	528	14,256	239,395
Total Deferred Debits	610,138	1,616	905	2,415	38,153	396,115
Total Assets and Other Debits	10,146,858	39,356	42,378	98,426	1,342,890	4,619,815

See endnotes at end of an individual electric utility

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
Item	Detroit Edison Co.	Edison Sault Electric Co.	Michigan Power Co.	Upper Peninsula Power Co.	Minnesota Power & Light Co.	Northern States Power Co.
Proprietary Capital						
Common Stock Issued	1,468,596	703	2,861	13,264	251,409	160,202
Preferred Stock Issued	341,334	0	0	3,501	-60,547	300,000
Capital Stock Subscribed, Liberty, and Premium	633,626	1,720	4,235	8,512	0	377,589
Other Paid-in Capital	0	5,317	1,452	114	-15,617	1,931
Installments Received on Capital Stock	0	0	0	0	3	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	57,262	0	0	0	0	0
Retained Earnings	404,880	4,067	4,388	11,123	200,680	832,821
Unappropriated (Undistributed) Subsidiary Earnings	8,174	0	0	0	71,769	147,515
(less) Repurchased Capital Stock	0	445	0	0	158	34,172
Total Proprietary Capital	2,782,998	11,362	12,936	36,513	568,629	1,785,885
Long-term Debt						
Bonds (less, reacquired)	3,930,720	15,900	0	25,645	398,990	1,004,760
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	155	0	0	0	1	1,051
(less) Unamortized Discount on Long-term Debt	14,996	0	0	0	498	3,477
Other Long-term Debt	780,594	0	10,000	2,114	20,083	154,362
Total Long-term Debt	4,696,471	15,900	10,000	27,759	418,576	1,156,637
Other Noncurrent Liabilities						
Obligations Under Capital Lease Noncurrent	131,358	0	281	0	0	0
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Injuries and Damages	0	0	449	0	0	4,619
Accumulated Provision for Pensions and Benefits	0	0	0	0	0	17,727
Accumulated Miscellaneous Operating Provisions	0	0	0	0	-61	0
Accumulated Provisions for Rate Refunds	2,627	0	70	0	0	0
Total Other Noncurrent Liabilities	133,985	0	800	0	-61	22,346
Current and Accrued Liabilities						
Notes Payable	0	30	2,675	0	6,197	0
Accounts Payable	214,090	2,947	449	5,490	34,015	174,377
Payables to Associated Companies	25,771	0	2,749	58	18,648	5,026
Taxes Accrued	48,402	2,299	2,084	5,001	34,266	141,963
Interest Accrued	104,632	307	276	612	9,566	21,967
Dividends Declared	70,782	264	0	65	1,153	39,195
Tax Collectors Payable	13,425	5	122	184	550	6,745
Other Current and Accrued Liabilities	409,213	131	728	3,180	10,949	916
Total Current and Accrued Liabilities	886,314	5,983	9,083	14,589	115,342	390,189
Deferred Credits						
Customer Advances for Construction	7,053	65	162	312	724	2,897
Accumulated Deferred Investment Tax Credits	333,003	1,367	2,050	-4,025	48,261	209,331
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Reacquired Debt	0	0	0	0	0	0
Accumulated Deferred Income Taxes	1,053,342	4,563	6,515	13,115	184,006	742,381
Other Deferred Credits	253,692	117	833	2,113	7,413	310,149
Total Deferred Credits	1,647,090	6,111	9,560	19,565	240,404	1,264,758
Total Liabilities and Other Credits	10,146,858	39,356	42,378	56,425	1,342,890	4,619,815

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Minnesota	Mississippi	Mississippi	Mississippi	Missouri	Missouri
	Other Power Co.	Mississippi Power & Light Co.	Mississippi Power Co.	System Energy Resources Co.	Empire District Electric Co.	Kansas City Power & Light Co.
Utility Plant						
Electric Utility Plant	606,516	1,208,774	1,052,833	1,519,796	446,707	2,916,963
Electric Construction Work in Progress	9,787	177,121	21,057	14,446	18,001	43,442
Total Electric Utility Plant	616,298	1,255,905	1,084,890	3,534,242	454,703	2,960,405
Less Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	(212,004)	(485,844)	(366,743)	(273,777)	(142,325)	(5,733)
Net Electric Utility Plant						
(less nuclear fuel)	404,294	790,011	718,697	3,260,465	312,378	2,203,094
Nuclear Fuel	0	0	0	150,567	0	79,079
Less Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	0	0	62,233
Net Nuclear Fuel	0	0	0	150,567	0	16,846
Other Utility Plant	0	0	0	0	3,551	21,804
Other Utility Construction Work in Progress	0	0	0	0	13	4
Total Other Utility Plant	0	0	0	0	3,551	21,804
Less Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	0	0	0	0	1,152	19,790
Net Other Utility Plant	0	0	0	0	2,379	2,103
All Utility Plant	606,516	1,208,774	1,052,833	3,684,809	444,245	3,017,642
All Utility Plant Construction Work in Progress	9,787	177,121	21,057	14,446	14,014	43,446
Total All Utility Plant	616,298	1,255,905	1,084,890	3,684,809	458,254	3,061,287
Less All Utility Accumulated Provision for Depreciation, Amortization, and Depletion	(212,004)	(485,844)	(366,743)	(273,777)	(143,477)	(839,243)
Net All Utility Plant	404,294	790,011	718,697	3,411,032	314,757	2,222,044
Other Property and Investments						
Land, Property, and Accumulated Provision for Depreciation and Amortization	803	682	5,893	3	25	1,395
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	2,447	0,031	0	0	0	3,890
Other Investments	897	20	669	0	166	1,651
Special Funds	1,117	0	141	5,438	0	4,937
Total Other Property and Investments	4,764	6,233	7,793	5,438	191	11,827
Current and Accrued Assets						
Cash	536	20,521	2,454	369	544	0
Special deposits	0	0	42	0	0	762
Working Funds	47	120	147	227	194	138
Temporary Cash Investments	4,834	0,319	0,100	249,490	945	0
Notes and Accounts Receivable	2,838	40,385	44,443	3,329	3,378	18,211
Receivable from Associated Companies	26	136	1,140	69,413	0	0
Materials and Supplies	7,638	14,487	46,126	70,097	11,574	26,743
Prepayments	2,643	1,524	6,404	12,075	1,046	5,990
Miscellaneous Current and Accrued Assets	128	67,864	18,552	5,202	4	30,565
Total Current and Accrued Assets	42,678	125,907	134,493	410,590	25,739	125,869
Deferred Debits						
Unamortized Debt Expense	1,008	4,315	880	9,307	3,649	0,987
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	2,500	0	0	0	0	0
Preliminary Survey and Investigation Charges	39	0	2,700	0	27	26
Unrecovered Accounts	807	8,811	28	123	0	247
Unrecovered Losses from Disposition of Utility Plant	0	0	0	0	0	0
Unrecovered Development and Demonstration Expenses	0	0	26	0	0	0
Unamortized Loss on Realigned Debt	5,653	0,865	3,167	11,798	1,146	1,067
Accumulated Deferred Income Taxes	1,100	41,719	15,589	22,202	1,542	1,514
Other Deferred Debits	1,090	647,019	51,212	251,398	1,447	247,593
Total Deferred Debits	13,335	691,755	69,178	300,881	7,903	261,086
Total Assets and Other Debits	465,071	1,613,906	930,159	4,127,941	346,589	2,620,826

See comments at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Minnesota Other Tail Power Co.	Mississippi Mississippi Power & Light Co.	Mississippi Mississippi Power Co.	Mississippi System Energy Resources Inc.	Missouri Empire District Electric Co.	Missouri Kansas City Power & Light Co.
Proprietary Capital						
Common Stock Issued	59,838	174,326	37,691	789,350	5,789	449,697
Preferred Stock Issued	30,870	122,651	44,262	0	9,602	94,196
Capital Stock Subscribed						
Liability and Premium	40,826	196	103	0	76,555	4,167
Other Paid-in Capital	0	0	124,486	0	880	204
Installments Received on Capital Stock	0	0	0	0	463	0
(less) Discount on Capital Stock	0	3,815	0	0	0	0
(less) Capital Stock Expense	0	377	0	0	1,758	2,155
Retained Earnings	66,428	183,286	110,862	511,141	47,413	396,075
Unappropriated Undistributed Subsidiary Earnings	2,001	0	0	0	0	12,071
(less) Recaptured Capital Stock	3,950	0	0	0	0	0
Total Proprietary Capital	194,009	476,266	317,439	1,300,491	138,942	930,313
Long-term Debt						
Bonds (less reacquired)	116,708	557,500	232,803	1,262,303	121,500	826,690
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	6	557	28	0	0	98
(less) Unamortized Discount on Long-term Debt	133	3,636	1,023	20,448	17	1,135
Other Long-term Debt	2,508	45,900	56,603	416,600	0	93,000
Total Long-term Debt	119,089	603,321	288,411	1,658,455	121,483	918,653
Other Noncurrent Liabilities						
Obligations Under Capital Lease Noncurrent	0	5,577	0	570,567	0	0
Accumulated Provision for Property Insurance	1,712	1,520	5,216	0	0	0
Accumulated Provision for Injuries and Damages	508	340	3,854	0	1,300	1,209
Accumulated Provision for Pensions and Benefits	1,087	0	5,806	0	0	0
Accumulated Miscellaneous Operating Provisions	0	0	0	0	0	0
Accumulated Provisions for Rate Refunds	0	0	0	2,499	0	0
Total Other Noncurrent Liabilities	3,308	7,437	14,875	573,066	1,300	1,209
Current and Accrued Liabilities						
Notes Payable	0	0	12,957	0	4,000	37,900
Accounts Payable	12,666	20,736	38,956	74,526	9,278	67,984
Payables to Associated Companies	0	39,443	6,741	176	0	0
Taxes Accrued	12,315	25,350	23,843	20,256	567	13,962
Interest Accrued	2,880	23,735	4,280	37,718	2,344	14,945
Dividends Declared	0	2,743	851	0	0	1,580
Tax Collections Payable	783	1,434	1,323	116	171	2,410
Other Current and Accrued Liabilities	1,192	25,152	10,894	80,000	7,292	16,426
Total Current and Accrued Liabilities	29,835	138,594	99,844	212,793	23,653	155,218
Deferred Credits						
Customer Advances for Construction	0	383	356	2	79	1,284
Accumulated Deferred Investment Tax Credits	27,767	9,633	38,752	13,169	13,812	106,336
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recaptured Debt	76	0	0	0	0	16
Accumulated Deferred Income Taxes	90,902	343,999	165,637	352,748	41,044	501,276
Other Deferred Credits	64	34,272	4,845	17,219	278	6,521
Total Deferred Credits	118,829	388,287	209,591	383,136	55,212	615,433
Total Liabilities and Other Credits	465,071	1,613,906	930,159	4,127,941	345,589	2,620,826

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 - Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Missouri St. Joseph Light & Power Corp.	Missouri Union Electric Co.	Missouri Utility Corp. United Inc.	Montana Montana Power Co.	Nevada Nevada Power Corp.	Nevada Sierra Pacific Power Co.
Utility Plant						
Existing Utility Plant	224,013	6,611,395	615,946	1,298,390	1,110,166	1,054,013
Electric Construction Work in Progress	2,904	59,424	25,666	13,857	78,398	11,808
Total Electric Utility Plant	226,922	6,670,824	641,612	1,252,247	1,188,563	1,065,881
Less: Utility Accumulated Provision for Depreciation, Amortization, and Depletion	95,812	1,841,947	198,474	313,826	321,778	262,889
Net Electric Utility Plant (less nuclear fuel)	131,110	4,828,877	443,139	938,421	866,785	802,982
Nuclear Fuel	0	452,889	0	0	0	0
Less: Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	209,322	0	0	0	0
Net Nuclear Fuel	0	193,067	0	0	0	0
Other Utility Plant	7,464	128,609	615,254	329,297	0	253,754
Other Utility Construction Work in Progress	351	2,460	5,169	1,364	0	8,450
Total Other Utility Plant	7,836	128,159	620,423	329,355	0	262,204
Less: Other Utility Accumulated Provision for Depreciation, Amortization and Depletion	1,271	37,478	225,194	114,690	0	56,039
Net Other Utility Plant	4,564	90,683	395,229	214,665	0	206,166
All Utility Plant	231,408	7,145,482	1,231,200	1,586,682	1,110,166	1,307,827
Electric Plant Construction Work in Progress	3,280	61,888	30,835	14,921	78,398	20,258
Total All Utility Plant	234,758	7,207,371	1,262,035	1,581,602	1,188,563	1,328,085
Less: All Utility Accumulated Provision for Depreciation, Amortization and Depletion	99,083	2,090,745	523,668	428,517	321,778	318,937
Net All Utility Plant	135,675	5,116,626	738,368	1,153,086	866,785	1,009,148
Other Property and Investments						
Nonutility Property (less: Accumulated Provision for Depreciation and Amortization)	59	6,175	822	2,713	32	0
Investments in Associated Companies	0	0	2	0	0	0
Investments in Subsidiary Companies	0	2,568	120,879	294,088	14,974	0
Other Investments	1,247	8,216	8,721	59,563	1	0
Special Funds	0	22,190	0	43,025	0	13
Total Other Property and Investments	3,350	30,095	130,324	359,393	15,007	13
Current and Accrued Assets						
Cash	471	2,282	5,494	4,010	8,378	1,732
Special Deposits	0	1,098	33	6	172	0
Working Funds	194	810	141	224	30	14
Temporarily Held Investments	11,641	0	22,296	0	8,469	0
Notes and Accounts Receivable (net)	13,709	165,053	11,277	85,279	31,779	48,071
Prepaid Insurance	0	9,181	34,781	7,924	0	310
Materials and Supplies	8,263	180,144	83,878	29,133	32,177	31,330
Prepayments	342	13,646	7,565	8,440	5,530	2,849
Marketable (Current and Accrued) Assets	190	118,414	70,856	62,770	7,905	0
Total Current and Accrued Assets	21,913	485,280	175,312	169,785	77,683	84,320
Deferred Debits						
Unamortized Debt Expense	264	3,966	4,619	2,108	8,446	3,468
Extraordinary Property (less: Construction Plant and Regulatory Study Cost)	0	0	0	0	0	0
Prepayment Survey and Investigation Charges	0	4,590	0	428	3,164	0
Outstanding Accounts	41	644	146	1,037	8,399	844
Deferred Charges from Suspension of Utility Plant Reserve for Development and Demonstration Expenses	0	0	0	0	0	0
Unamortized Loss on Rescinded Light	370	114,246	99	0,968	2,296	7,146
Accumulated Deferred Income Taxes	308	19,420	1,420	88,648	7,987	12,788
Other Deferred Debits	807	98,724	24,984	739,552	330,815	81,254
Total Deferred Debits	1,647	147,746	31,842	198,217	131,671	108,890
Total Assets and Other Debits	162,585	5,773,747	1,175,845	1,880,501	1,021,146	1,202,371

See the Notes to the Financial Statements for further information.

Table 37. Balance Sheet by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

¹ Energy Information Administration/Financial Statistics of Selected Investor-Owned Electric Utilities 1989

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
	James River Nat. Electric Inc.	New England Electric Transmission Corp.	Public Service Co. of N.H.	Atlantic City Electric Co.	Jersey Central Power & Light Co.	Public Service Electric & Gas Co.
Proprietary Capital						
Common Stock Issued	2,503	*	210,773	54,863	153,713	2,536,381
Preferred Stock Issued	0	0	469,200	114,450	137,500	429,994
Capital Stock Subscribed						
Liability and Premium	0	264	430,018	231,081	378	557
Other Paid in Capital	0	6,360	5,402	110,225	436,239	26,065
Installments Received on Capital Stock	0	0	0	0	0	0
Less: Discount on Capital Stock	0	0	0	0	0	0
Less: Capital Stock Expense	0	0	0	1,885	0	0
Retained Earnings	1,081	251	535,841	216,366	416,220	1,096,763
Unappropriated Undistributed Subsidiary Earnings	0	0	3,647	0	0	-219
Less: Repurchased Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	3,884	6,876	563,198	725,200	1,144,050	4,089,541
Long-term Debt						
Bonds (less reacquired)	0	0	439,785	611,547	857,456	3,601,427
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	0	0	60	494	491	1,095
Less: Unamortized Discount on Long-term Debt	0	0	100,754	5,662	3,099	24,274
Other Long-term Debt	0	56,512	0	0	146,785	0
Total Long-term Debt	0	56,512	339,091	606,379	1,001,632	3,578,248
Other Noncurrent Liabilities						
Obligations Under Capital Lease Noncurrent	0	0	186	32,510	2,886	54,513
Accumulated Provision for Property Insurance	0	0	0	450	0	0
Accumulated Provision for Injuries and Damages	0	0	1,860	3,125	6,302	0
Accumulated Provision for Pensions and Benefits	0	0	0	0	1,217	0
Accumulated Miscellaneous Operating Provisions	0	0	0	0	0	0
Accumulated Provisions for Rate Refunds	0	0	383	0	0	11,876
Total Other Noncurrent Liabilities	0	0	2,428	36,085	10,005	66,389
Current and Accrued Liabilities						
Notes Payable	0	0	100,000	0	125,000	328,000
Accounts Payable	0	44	70,015	19,040	95,176	236,090
Payables to Associated Companies	10,968	182	3,061	14,174	35,429	27,067
Taxes Accrued	313	6	1,819	10,155	142,611	595,834
Interest Accrued	0	207	7,871	13,377	35,802	107,375
Dividends Declared	0	318	0	18,357	2,719	1,796
Tax Collections Payable	0	0	646	776	1,427	7,596
Other Current and Accrued Liabilities	307	10	1,303,487	61,066	150,768	222,719
Total Current and Accrued Liabilities	10,348	767	1,487,399	137,244	588,932	1,526,476
Deferred Credits						
Customer Advances for Construction	0	0	188	2,362	7,339	1,346
Accumulated Deferred Investment Tax Credits	0	6,669	16,669	63,946	106,106	486,435
Deferred Gain from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Reacquired Debt	0	0	0	0	4,583	0
Accumulated Deferred Income Taxes	1,311	6,548	700	216,815	387,150	1,334,189
Other Deferred Credits	0	0	17,846	12,778	32,421	141,451
Total Deferred Credits	1,311	15,217	35,404	295,900	537,599	1,963,421
Total Liabilities and Other Credits	15,542	79,372	2,447,521	1,800,809	3,283,117	11,224,075

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	New York	New Mexico	New York	New York	New York	New York
Asset	Electric Utility	Public Service Co. of NM	Central Hudson Gas & Electric Co.	Consolidated Edison Co. NY	Long Island Lighting Co.	Long Island Power
Utility Plant						
Electric Utility Plant	109,391	1,901,123	983,419	4,096,199	1,124,291	8,706
Electric Construction Work in Progress	0	0	14,019	193,827	96,184	187
Total Electric Utility Plant	109,391	2,001,123	1,002,738	4,292,326	3,215,048	8,892
(Less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	24,583	2,010,408	986,016	2,334,213	939,490	8,826
Net Electric Utility Plant (Less nuclear fuel)	84,808	1,525,718	736,460	6,697,352	2,275,559	2,066
Nuclear Fuel	0	0	19,273	99,783	42,743	0
(Less) Accumulated Provision for Amortization of Nuclear Fuel Assets (Less)	0	0	0	98,743	17,902	0
Net Nuclear Fuel	0	57,28	10,990	79,260	24,842	0
Other Utility Plant	0	3,119	121,647	2,954,801	857,218	1,458
Other Utility Construction Work in Progress	0	0	1,708	14,224	38,037	0
Total Other Utility Plant	0	473,867	151,432	2,084,192	689,251	1,458
(Less) Other Utility Accumulated Provision for Depreciation, Amortization and Depletion	0	160,008	2,300	454,447	204,068	5,271
Net Other Utility Plant	0	312,390	100,355	1,624,747	485,183	187
All Utility Plant	109,391	2,563,462	1,173,401	11,643,269	3,947,043	10,350
All Utility Plant Construction Work in Progress	0	0	16,094	218,218	138,822	187
Total All Utility Plant	109,391	2,563,462	1,173,401	11,643,269	3,947,043	10,350
(Less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	24,583	2,010,408	986,016	2,334,213	939,490	8,826
Net All Utility Plant	84,808	1,895,389	847,804	8,401,360	2,785,583	2,254
Other Property and Investments						
Nonutility Property (Less)						
Accumulated Provision for Depreciation and Amortization	18	1,880	964	2,291	4,573	116
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	1,556	4,000	1,966	980,763	355	0
Other Investments	0	16,014	2,404	11,304	1,334	0
Special Funds	0	0	0	0	0	0
Total Other Property and Investments	5,574	34,734	7,333	427,601	6,804	116
Current and Accrued Assets						
Cash	654	1,524	1,097	15,876	15,734	0
Special Deposits	6	1,359	83	2,156	22,455	0
Working Funds	0	869	442	7,074	229	0
Temporary Cash Investments	0	806	9,000	326,894	324,141	0
Notes and Accounts Receivable (net)	10,271	110,071	41,398	498,939	256,560	19
Receivable from Associated Companies	137	8,037	504	0	58	19
Materials and Supplies	6,220	38,806	24,548	312,393	119,008	58
Prepayments	783	8,716	10,190	47,389	8,321	5
Miscellaneous Current and Accrued Assets	4,462	13,224	14,213	36,156	290,145	0
Total Current and Accrued Assets	22,653	178,667	103,776	1,240,849	976,852	122
Deferred Debits						
Unamortized Debt Expense	163	9,596	9,287	26,667	107,176	0
Extraordinary Property Losses	5,740	0	0	6,382	0	0
Unrecovered Plant and Regulatory Study Cost	0	0	0	28,190	3,988,344	0
Preliminary Survey and Investigation Charges	8	304	140	7,394	0	0
Cleaning Accounts	0	1,025	206	1,260	0	0
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	310	3,256	5,563	0
Unamortized Loss on Recaptured Debt	0	25,191	0	0	0	0
Accumulated Deferred Income Taxes	2,139	152,620	39,735	169,855	1,016,211	0
Other Deferred Debits	14,401	142,744	99,469	198,181	398,334	0
Total Deferred Debits	22,451	332,679	148,526	434,673	5,504,712	0
Total Assets and Other Debits	135,485	2,441,470	1,107,440	10,504,484	9,273,951	2,492

See entries at end of an individual electric utility.

Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)
(Thousand Dollars)

Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)
(Thousand Dollars)

	New York	New York	New York	New York	North Carolina	North Carolina
	New York State Electric & Gas Corp.	Norfolk Electric Power Corp.	Orange & Rockland Utilities Inc.	Rochester Gas & Electric Corp.	Carolina Power & Light Co.	Duke Power Co.
Proprietary Capital						
Common Stock Issued	\$80,696	\$36,100	\$4,661	\$56,296	\$320,765	\$362,721
Preferred Stock Issued	\$34,000	\$25,800	\$4,468	\$2,000	\$27,618	\$63,300
Capital Stock Subscribed						
Parity and Premium	\$46,424	\$1,026,829	\$13,123	\$33,816	0	0
Other Equity Capital	\$9,643	\$34,222	0	71	\$98	\$2,263
Retainments/Reserves	0	0	0	0	0	0
New Dividend in Capital Stock	0	0	0	0	500	0
Other Capital Stock Expense	\$1,574	\$8,920	\$,971	\$4,618	0	0
Reserves/Earnings	\$68,801	\$2,432	\$2,280	\$9,025	\$99,523	\$369,318
Unappropriated Undistributed Subsidiary						
Earnings		\$2,714	\$8,874	\$3,041	8	\$36,394
Other Noncurrent Capital Stock		0	0	0	0	0
Total Proprietary Capital	\$399,184	2,486,031	367,097	668,543	3,097,016	4,339,857
Long-Term Debt						
Bonds (Secured/Unsecured)	\$344,630	\$3,086,147	\$20,000	\$47,834	\$2,360,250	\$2,475,014
Advances from Associated Companies	0	0	0	0	0	0
Guaranteed Premium on Long-Term Debt	0	\$2,808	\$62	\$233	\$370	\$1,275
Other Long-Term Debt (Secured/Unsecured)	\$1,776	\$3,838	\$748	\$80	\$6,285	\$20,298
Other Long-Term Debt	\$34,000	\$62,676	\$9,064	\$41,900	\$41,910	\$52,000
Total Long-Term Debt	1,721,208	3,347,839	258,718	789,877	2,688,386	2,757,991
Other Noncurrent Liabilities						
Unappropriated Capital Stock Premium	\$3,440	\$3,762	\$3,933	0	\$2,749	\$5,628
Accumulated Reserves for Depreciation/Depletion	0	0	\$46	\$362	\$3,962	\$6,139
Accumulated Depreciation/Depletion and						
Depletion	0	0	\$2,609	0	\$2,804	\$0,879
Unappropriated Reserve for Depreciation and						
Depletion	0	0	0	0	0	0
Accumulated Miscellaneous Operating	0	0	\$3,367	0	\$2,346	\$3,004
Reserves	0	0	0	0	0	0
Accumulated Miscellaneous Other Liabilities	0	0	0	0	0	0
Total Other Noncurrent Liabilities	\$3,440	\$3,762	\$3,398	\$3,662	\$11,764	\$15,683
Current and Accrued Liabilities						
Payable to Customers	\$67,300	\$6,345	\$6,650	0	\$43,600	\$70,031
Accounts Payable	\$67,300	\$6,345	\$6,650	\$1,340	\$43,600	\$70,031
Payable to Associated Companies	0	0	0	0	0	\$3,519
Current Accrued	\$1,130	\$6,396	\$4,308	\$3,811	\$40,506	\$8,263
Unpayable Liabilities	\$1,470	\$1,334	\$1,526	\$5,261	\$63,124	\$7,992
Unpayable Liabilities	\$1,470	\$1,334	\$1,526	\$5,261	\$63,124	\$7,992
Tax Liabilities Payable	\$4,091	\$7,400	\$862	\$3,596	\$17,630	\$8,269
Other Current and Accrued Liabilities	\$81,113	\$13,432	\$23,972	\$4,093	\$5,973	\$7,333
Total Current and Accrued Liabilities	\$315,304	\$49,985	\$14,434	\$19,522	\$588,801	\$694,457
Deferred Credits						
Customer Refunding for Capitalized	\$1,000	0	\$67	0	\$1,340	\$3
Accumulated Deferred Investment Tax Credits	\$8,849	\$40,437	\$3,108	\$3,989	\$84,752	\$14,466
Unearned Taxes from Insurance of Policy Held	0	0	0	0	0	0
Unearned Taxes on Realized Gains	\$1,316	0	0	0	0	0
Accumulated Deferred Income Taxes	\$62,127	\$29,334	\$1,065	\$26,135	\$387,252	\$334,321
Other Deferred Credits	\$32,432	\$43,208	\$1,303	\$5,838	\$27,238	\$64,159
Total Deferred Credits	1,243,283	1,183,182	109,779	265,921	1,600,987	2,022,989
Total Liabilities and Other Credits	4,716,624	7,614,800	915,026	1,834,924	8,090,451	9,930,976

Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)
(Thousand Dollars)

See endnotes at end of an individual electric utility

Table 37. Balance Sheet by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

Table 37. Balance Sheet by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

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See endnotes at end of an individual electric utility.

Table 37. Balance Sheet by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Alabama	Arkansas	Georgia	Illinois	Indiana	Michigan
	Alabama Electric Co.	Arkansas Electric Co.	Georgia Electric Co.	Illinois Electric Co.	Indiana Electric Co.	Michigan Electric Co.
Utility Plant						
Electric Utility Plant	3,006,940	3,750,040	232	7,493,961	2,540,389	33,397
Net Electric Utility Plant (less nuclear fuel)	2,034,045	1,730,917	224	5,533,737	1,734,815	28,606
Other Utility Plant						
Other Utility Plant	0	0	0	0	0	0
Net Other Utility Plant	0	0	0	0	0	0
Total All Utility Plant	3,006,940	3,750,040	232	7,493,961	2,540,389	33,397
Net All Utility Plant	2,034,045	1,730,917	224	5,533,737	1,734,815	28,606
Other Property and Investments						
Other Property and Investments	92,193	4,304	0	1,102,254	66,262	4,198
Net Other Property and Investments	92,193	4,304	0	1,102,254	66,262	4,198
Total Other Property and Investments	92,193	4,304	0	1,102,254	66,262	4,198
Net Total Other Property and Investments	92,193	4,304	0	1,102,254	66,262	4,198
Current and Accrued Assets						
Current and Accrued Assets	210,103	67,121	13,106	789,396	211,309	691
Net Current and Accrued Assets	210,103	67,121	13,106	789,396	211,309	691
Total Current and Accrued Assets	210,103	67,121	13,106	789,396	211,309	691
Net Total Current and Accrued Assets	210,103	67,121	13,106	789,396	211,309	691
Total Assets and Other Debits	2,428,066	1,267,848	13,330	7,765,627	2,450,934	33,495

See endnotes at end of year for individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Oklahoma	Oklahoma	Oregon	Oregon	Oregon	Oregon
Item	Oklahoma Gas & Electric Co.	Public Service Co. of Oklahoma	Oregon Safe Inc.	PacificCorp.	Portland General Electric Co.	Warm Springs Power Enterprises
Proprietary Capital						
Common Stock Issued	136,111	167,260	0	2,287,565	153,721	0
Preferred Stock Issued	75,000	13,799	0	292,080	155,504	0
Capital Stock Subscribed, Liability, and Premium	936,400	0	0	0	446,095	0
Other Paid in Capital	0	180,000	0	0	1,856	10,000
Adjustments Required on Capital Stock	0	0	0	1,540	0	0
Retros. Discount on Capital Stock	0	0	0	0	0	0
Retros. Capital Stock Expense	0	0	0	29,098	3,318	0
Retained Earnings	330,538	96,552	0	14,612	62,718	5,592
Unappropriated Undistributed Subsidiary Earnings	4,856	9,561	0	729,934	12,702	0
Retros. Unappropriated Capital Stock	786,302	0	0	188	0	0
Total Proprietary Capital	926,574	390,048	0	3,356,125	816,879	15,592
Long-term Debt						
Bonds Issued	771,380	376,789	0	2,391,765	674,599	0
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	995	0	0	179	0	0
Retros. Unamortized Discount on Long-term Debt	6,616	2,289	0	13,960	1,183	0
Other Long-term Debt	0	0	0	125,000	156,705	17,149
Total Long-term Debt	771,459	376,480	0	2,503,043	832,121	17,149
Other Noncurrent Liabilities						
Long-term Under Capital Lease Noncurrent	7,620	0	0	133,023	19,436	0
Accumulated Provision for Property Insurance	0	0	0	4,967	0	0
Accumulated Provision for Injuries and Damages	0	0	0	6,490	382	0
Accumulated Provision for Personal and Benefits	9,096	0	0	5	0	0
Accumulated Miscellaneous Operating Expenses	0	0	0	156,168	0	0
Accumulated Provisions for Rate Refunds	0	736	0	1,370	45,947	0
Total Other Noncurrent Liabilities	12,016	736	0	302,047	65,767	0
Current and Accrued Liabilities						
Notes Payable	13,583	0	0	230,121	54,500	0
Accounts Payable	71,456	26,528	12,414	123,470	94,779	133
Payables to Associated Companies	4,805	51,257	0	5,328	5,263	0
Notes Accrued	22,327	21,873	0	85,752	35,313	0
Interest Accrued	23,637	9,588	0	69,192	15,583	300
Dividends Declared	36,111	191	0	88,712	26,271	0
Tax Subsidies Payable	7,873	2,941	0	10,964	1,371	0
Other Current and Accrued Liabilities	43,663	20,066	0	102,792	5,432	517
Total Current and Accrued Liabilities	216,812	132,349	12,414	716,330	238,511	755
Deferred Credits						
Customer Advances for Construction	88	2,066	0	21,358	2,059	0
Accumulated Deferred Investment Tax Credits	145,678	62,851	0	220,118	79,839	0
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recaptured Debt	0	512	0	31	98	0
Accumulated Deferred Income Taxes	385,218	264,896	0	579,394	274,998	0
Other Deferred Credits	220	37,912	910	67,180	140,663	0
Total Deferred Credits	501,205	366,236	910	888,061	497,657	0
Total Liabilities and Other Credits	2,428,066	1,267,848	13,330	7,765,627	2,450,934	33,495

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	1989	1988	1987	1986	1985	1984
Utility Plant						
Electric Utility Plant	1,129,624	1,066,364	1,047,109	1,480,111	1,025,490	9,461,189
Electric Substation Work in Progress	80,980	71,401	98,100	100,104	107,110	1,099,981
Total Electric Utility Plant	3,879,927	1,967,795	2,344,322	8,375,810	1,230,874	12,107,672
Other Electric Utility Plant						
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Net Electric Utility Plant	2,909,035	1,273,553	1,467,852	6,389,793	823,108	9,733,462
Nuclear Plant						
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Net Nuclear Fuel	133,773	48,365	23,863	294,008	46,545	567,017
Other Utility Plant						
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Total Other Utility Plant	0	0	4,532	0	0	180,715
Other Plant, Other, Accumulated Depreciation						
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Net Other Utility Plant	0	0	270	0	0	577,499
Other Plant, Other, Accumulated Depreciation						
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Total All Utility Plant	4,017,599	2,015,154	2,375,720	8,339,618	1,137,519	13,638,541
Other All Utility Plant						
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Net All Utility Plant	3,046,621	1,261,923	1,465,987	6,853,401	869,753	10,877,978
Other Property and Investments						
Acquiring Property, etc.						
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Total Other Property and Investments	15,828	16,994	8,196	82,905	4,542	215,681
Other Current and Accrued Assets						
Cash	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Accounts Receivable	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Working Capital	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Depreciation, Accumulation, and Impairment	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Other Current and Accrued Assets	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Total Other Current and Accrued Assets	205,749	190,813	195,177	500,689	74,061	732,912
Deferred Credits						
Unamortized Debt Premium	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Extraordinary Property Losses	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Unamortized Property and Regulatory Costs	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Provisional Survey and Investigation Charges	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Security Accounts	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Deferred Losses from Depreciation of Utility Plant	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Research, Development, and Demonstration	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Expenditures	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Unamortized Loss on Preacquired Debt	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Accumulated Deferred Income Taxes	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Other Deferred Credits	1,113,841	1,031,151	1,060,811	1,366,811	1,347,166	1,113,841
Total Deferred Credits	598,150	107,576	74,236	298,090	143,358	1,244,801
Total Assets and Other Debits	3,966,534	1,577,305	1,763,596	7,535,084	1,091,715	13,071,372

See endnotes at end of an individual electric utility.

Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)
(Thousand Dollars)

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
	Salt Harbor Water Works Corp.	Delaware Electric Co.	Allegheny Corp.	West Penn Power Co.	York Haven Power Co.	Blackstone Valley Electric Co.
Utility Plant						
Electric Utility Plant	159,054	0	85,541	2,203,738	10,526	108,789
Depreciation, Accumulated Provision for Depreciation, Amortization and Depletion	34,295	0	45,593	1,441,358	6,646	79,010
Net Electric Utility Plant (less nuclear fuel)	124,758	1	45,593	1,441,358	6,646	79,010
Nuclear Fuel	0	0	0	0	0	0
Other Utility Plant	0	0	405,423	0	0	0
Depreciation, Accumulated Provision for Depreciation, Amortization and Depletion	0	0	0	0	0	0
Net Other Utility Plant	0	0	405,423	0	0	0
Total All Utility Plant	124,758	1	405,423	1,441,358	6,646	79,010
Other Property and Investments	0	0	216,061	126,638	554	18,695
Land	0	0	4,218	0	4	111
Buildings and Equipment	0	0	0	0	0	0
Investments in Other Companies	0	0	0	0	0	0
Other Property and Investments	0	0	0	0	0	0
Depreciation, Accumulated Provision for Depreciation, Amortization and Depletion	0	0	0	0	0	0
Net Other Property and Investments	0	0	4,218	0	4	111
Total Other Property and Investments	0	0	4,218	0	4	111
Total Assets and Other Debits	124,758	1	405,423	1,441,358	6,646	79,010
Liabilities and Equity	0	0	0	0	0	0
Accounts Payable	0	0	0	0	0	0
Accounts Receivable	0	0	0	0	0	0
Other Liabilities	0	0	0	0	0	0
Equity	0	0	0	0	0	0
Total Liabilities and Equity	0	0	0	0	0	0

See footnotes at end of all individual electric utility

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
	Safe Harbor Water Power Corp.	Susquehanna Electric Co.	UGI Corp.	West Penn Power Co.	York Haven Power Co.	Blackstone Valley Electric Co.
Proprietary Capital						
Common Stock Account	9,000	0	45,392	270,994	1,163	9,203
Preferred Stock Account	0	0	35,614	109,708	0	6,000
Capital Stock Subscribed	0	0	103,837	835	0	737
Liability and Premium	16,000	0	56	55,547	1,500	14,000
Other Paid in Capital	0	0	0	0	0	0
Indefinitely Repealed on Capital Stock	0	0	0	0	0	0
Discount on Capital Stock	0	0	0	0	0	0
Other Capital Stock Expense	33,632	43	105,553	347,255	4,100	6,373
Retained Earnings	0	0	22,423	19,476	0	0
Unappropriated Undistributed Subsidiary	0	0	889	0	0	0
Other Proprietary Capital Stock	60,632	53	267,139	803,815	6,763	36,313
Total Proprietary Capital						
Long-term Debt	0	0	65,464	388,000	0	36,500
Bonds Issued (Acquired)	0	60	0	0	0	0
Advances from Associated Companies	0	0	1	517	0	0
Unamortized Premium on Long-term Debt	0	0	2,244	692	0	0
Other Long-term Debt	50,000	0	90,433	175,585	0	0
Total Long-term Debt	50,000	60	153,654	563,410	0	36,500
Other Noncurrent Liabilities	0	0	7	4,953	0	0
Obligations under Capital Lease Noncurrent	0	0	0	0	0	633
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Injuries and Damages	0	0	626	4,591	0	0
Accumulated Provision for Pensions and Benefits	0	0	0	490	0	0
Accumulated Miscellaneous Operating	0	0	3,900	0	0	0
Provisions	0	0	0	0	0	0
Accumulated Provisions for Rate Refunds	0	0	4,533	10,034	0	633
Total Other Noncurrent Liabilities	0	0	4,533	10,034	0	633
Current and Accrued Liabilities	0	0	41,500	32,506	0	0
Notes Payable	0	0	36,797	93,832	0	724
Accounts Payable	0	858	59,089	11,404	0	11,203
Payables to Associated Companies	0	0	574	19,262	51	3,383
Taxes Accrued	0	0	4,184	11,513	1	832
Interest Accrued	0	0	6,439	1,784	0	72
Dividends Declared	0	0	1,261	848	0	115
Tax Liabilities Payable	0	442	23,664	13,124	0	4,884
Other Current and Accrued Liabilities	1,211	0	172,360	184,273	52	21,214
Total Current and Accrued Liabilities	1,211	442	172,360	184,273	52	21,214
Deferred Credits	0	0	520	5,411	0	0
Customer Advances for Construction	0	0	14,197	66,583	65	3,308
Accumulated Deferred Investment Tax Credits	9,042	0	0	0	0	0
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recaptured Debt	0	0	0	0	0	0
Postulated Deferred Income Taxes	16,419	0	39,293	167,941	321	6,050
Other Deferred Credits	0	0	4,507	2,045	0	93
Total Deferred Credits	25,461	0	53,997	176,569	386	6,441
Total Liabilities and Other Credits	140,396	4,749	656,204	1,803,511	7,201	104,111

Notes: Totals may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Rhode Island	Rhode Island	South Carolina	South Carolina	South Carolina	South Dakota
Item	Narragansett Electric Co	Newport Electric Corp	Lockhart Power Co	South Carolina Electric & Gas Co	South Carolina Generating Co Inc	Black Hills Corp
Utility Plant						
Electric Utility Plant	482,670	62,167	15,514	2,552,854	230,585	257,948
Electric Construction Work in Progress	8,085	1,072	1,180	111,173	695	4,342
Total Electric Utility Plant	490,755	63,239	16,693	2,664,027	231,280	262,291
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	182,707	15,518	8,165	755,794	61,016	84,357
Net Electric Utility Plant (less nuclear fuel)	308,048	47,722	8,528	1,908,233	170,265	177,934
Nuclear Fuel	0	0	0	202,270	0	0
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	144,449	0	0
Net Nuclear Fuel	0	0	0	57,821	0	0
Other Utility Plant	0	0	246	274,977	0	0
Other Utility Construction Work in Progress	0	0	2	12,331	0	0
Total Other Utility Plant	0	0	248	287,308	0	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization and Depletion	0	0	105	80,765	0	0
Net Other Utility Plant	0	0	143	206,543	0	0
All Utility Plant	482,670	62,167	15,759	3,030,101	230,585	257,948
All Utility Plant Construction Work in Progress	8,085	1,072	1,182	123,504	695	4,342
Total All Utility Plant	490,755	63,239	16,941	3,153,605	231,280	262,291
(less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	182,707	15,518	8,270	981,009	61,016	84,357
Net All Utility Plant	308,048	47,722	8,671	2,172,596	170,265	177,934
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	2,364	0	253	14,184	0	2
Investments in Associated Companies	0	0	0	0	15,000	0
Investments in Subsidiary Companies	0	0	0	0	0	54,093
Other Investments	20	0	0	246	0	828
Special Funds	0	2,000	0	17	0	0
Total Other Property and Investments	2,384	2,000	253	14,447	15,000	54,923
Current and Accrued Assets						
Cash	637	498	667	44	69	-1,031
Special Deposits	2	2,001	0	3,791	0	0
Working Funds	40	7	0	161	0	-137
Temporary Cash Investments	0	0	0	0	0	5,602
Notes and Accounts Receivable (net)	40,474	4,985	867	100,586	3	9,107
Receivable from Associated Companies	238	0	346	802	8,347	17
Materials and Supplies	9,654	1,006	234	77,797	9,018	4,874
Prepayments	488	612	5	12,941	300	1,301
Miscellaneous Current and Accrued Assets	1,624	2,113	0	36	0	66
Total Current and Accrued Assets	53,155	11,222	2,119	196,159	17,737	19,820
Deferred Debits						
Unamortized Debt Expense	400	702	0	6,113	600	533
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	0	0	0	0	0	0
Preliminary Survey and Investigation Charges	968	50	47	1,854	0	82
Clearing Accounts	0	0	0	-118	0	197
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	0	0	0	0
Unamortized Loss on Recaptured Debt	9,229	111	0	2,624	316	284
Accumulated Deferred Income Taxes	4,760	1,035	0	21,844	0	254
Other Deferred Debits	0	82	74	114,139	-5,709	36
Total Deferred Debits	15,356	1,980	122	146,456	-4,793	1,386
Total Assets and Other Debits	378,944	62,923	11,165	2,529,659	198,208	254,062

See endnotes at end of an individual electric utility

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Rhode Island Narragansett Co	Rhode Island Newport Electric Corp	South Carolina Lockhart Power Co	South Carolina South Carolina Electric & Gas Co	South Carolina South Carolina Generating Co Inc	South Dakota Black Hills Corp
Proprietary Capital						
Common Stock Issued	56,624	11,369	300	181,333	20,000	9,117
Preferred Stock Issued	26,500	1,409	0	94,065	0	0
Capital Stock Subscribed, Liability, and Premium	376	0	0	395,072	0	36,118
Other Paid-in Capital	20,000	2	0	3,898	0	0
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	0	765	0	5,700	0	1,781
Retained Earnings	41,514	878	7,776	209,306	2,915	29,842
Unappropriated Undistributed Subsidiary Earnings	0	0	0	0	0	54,043
(less) Recaptured Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	145,015	12,893	8,076	868,975	22,915	127,338
Long-term Debt						
Bonds (less reacquired)	114,300	29,655	0	661,270	35,850	35,574
Advances from Associated Companies	0	0	0	11,069	0	0
Unamortized Premium on Long-term Debt	39	0	0	0	0	0
(less) Unamortized Discount on Long-term Debt	2,072	0	0	1,434	0	1
Other Long-term Debt	0	4,185	0	152,261	69,500	11,836
Total Long-term Debt	112,267	33,840	0	823,166	105,350	47,409
Other Noncurrent Liabilities						
Obligations Under Capital Lease-Noncurrent	0	0	0	5,265	0	31,053
Accumulated Provision for Property Insurance	414	0	0	0	0	0
Accumulated Provision for Injuries and Damages	0	0	0	2,937	31	0
Accumulated Provision for Pensions and Benefits	0	0	0	2,258	0	0
Accumulated Miscellaneous Operating Provisions	0	104	25	0	0	0
Accumulated Provisions for Rate Refunds	0	0	0	0	0	0
Total Other Noncurrent Liabilities	414	104	25	10,460	31	31,053
Current and Accrued Liabilities						
Notes Payable	0	0	0	37,587	0	0
Accounts Payable	10,380	5,938	1,214	56,500	5,407	2,235
Payables to Associated Companies	39,076	0	30	73,724	8	151
Taxes Accrued	9,862	1,402	248	38,731	1,964	2,768
Interest Accrued	1,540	899	0	16,762	1,580	986
Dividends Declared	1,521	0	0	1,772	0	0
Tax Collections Payable	714	81	10	1,013	9	661
Other Current and Accrued Liabilities	11,686	1,291	224	22,911	105	3,861
Total Current and Accrued Liabilities	74,778	9,611	1,726	249,000	9,074	10,661
Deferred Credits						
Customer Advances for Construction	1,981	0	0	0	0	387
Accumulated Deferred Investment Tax Credits	11,049	1,813	330	97,545	9,693	8,067
Deferred Gains from Disposition of Utility Plant	0	2,219	0	0	0	0
Unamortized Gain on Recaptured Debt	0	0	0	184	0	0
Accumulated Deferred Income Taxes	31,447	2,440	917	411,609	51,145	28,434
Other Deferred Credit	1,993	5	91	68,721	0	714
Total Deferred Credits	46,470	6,476	1,338	578,059	60,838	37,602
Total Liabilities and Other Credits	378,944	62,923	11,165	2,529,659	198,208	254,062

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	South Dakota Northwestern Public Service Co	Tennessee Kingsport Power Co	Tennessee Tapco Inc	Texas Central Power & Light Co	Texas El Paso Electric Co	Texas Gulf States Utilities Co
Utility Plant						
Electric Utility Plant	250,430	52,736	61,524	4,125,098	1,190,333	6,488,399
Electric Construction Work in Progress	2,184	431	1,647	52,052	344,768	15,048
Total Electric Utility Plant	252,614	53,168	63,171	4,177,150	1,535,101	6,503,446
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	84,368	18,373	49,609	753,340	233,240	1,610,394
Net Electric Utility Plant (less nuclear fuel)	168,246	34,795	13,562	3,423,810	1,301,861	4,893,053
Nuclear Fuel	0	0	0	121,709	121,034	196,963
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	16,540	73,920	50,847
Net Nuclear Fuel	0	0	0	105,168	47,114	146,116
Other Utility Plant	50,050	0	0	0	0	109,783
Other Utility Construction Work in Progress	574	0	0	0	0	552
Total Other Utility Plant	50,624	0	0	0	0	110,336
(less) Other Utility Accumulated Provision for Depreciation, Amortization and Depletion	19,587	0	0	0	0	64,355
Net Other Utility Plant	31,037	0	0	0	0	45,981
All Utility Plant	300,480	52,736	61,524	4,246,807	1,311,367	6,795,145
All Utility Plant Construction Work in Progress	2,758	431	1,647	52,052	344,768	15,600
Total All Utility Plant	303,237	53,168	63,171	4,298,859	1,656,135	6,810,745
(less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	103,955	18,373	49,609	769,880	307,160	1,725,596
Net All Utility Plant	199,282	34,795	13,562	3,528,979	1,348,975	5,085,149
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	0	101	456	1,105	5,371	7,655
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	6,477	0	0	0	7,228	11,678
Other Investments	29,385	50	0	1,152	12,342	2,885
Special Funds	0	5	0	0	6,574	14,019
Total Other Property and Investments	35,862	157	456	2,257	31,515	36,237
Current and Accrued Assets						
Cash	555	842	1	1,639	-6,694	88
Special Deposits	0	19	0	382	16	38
Working Funds	193	5	0	200	43	215
Temporary Cash Investments	3,325	0	0	0	35,021	197,641
Notes and Accounts Receivable (net)	8,219	4,772	2	30,077	69,293	238,470
Receivable from Associated Companies	16	53	1,716	2,321	507	40
Materials and Supplies	7,610	617	0	68,005	33,678	31,258
Prepayments	1,241	857	0	6,378	18,024	30,841
Miscellaneous Current and Accrued Assets	5,838	3,269	108	0	9,912	4,409
Total Current and Accrued Assets	26,997	10,434	1,826	109,002	159,800	503,001
Deferred Debits						
Unamortized Debt Expense	777	0	0	6,319	4,285	20,571
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	0	0	0	0	0	57,578
Preliminary Survey and Investigation Charges	58	0	0	1,503	233	1,536
Clearing Accounts	65	-3	0	576	0	2
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	0	746	2	0
Unamortized Loss on Recquired Debt	224	0	0	54,335	620	1,621
Accumulated Deferred Income Taxes	4,034	653	483	46,985	259,003	56,462
Other Deferred Debits	106	108	0	467,081	231,324	948,845
Total Deferred Debits	5,264	758	483	577,546	495,468	1,086,615
Total Assets and Other Debit:	267,406	46,143	16,327	4,217,783	2,035,758	6,711,002

See endnotes at end of an individual electric utility

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	South Dakota Northwestern Public Service Co.	Tennessee Kingsport Power Co.	Tennessee Tapoco Inc.	Texas Central Power & Light Co.	Texas El Paso Electric Co.	Texas Gulf States Utilities Co.
Proprietary Capital						
Common Stock Issued	26,870	4,100	150	168,888	337,176	1,195,148
Preferred Stock Issued	6,175	0	0	303,500	114,908	668,422
Capital Stock Subscribed, Liability, and Premium	30,808	0	0	69	0	10,406
Other Paid-in Capital	0	5,800	23,127	405,000	0	26,173
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	886	0	0	4,019	0	14,342
Retained Earnings	40,070	3,366	-9,401	938,305	179,425	855,526
Unappropriated Undistributed Subsidiary Earnings	527	0	0	0	-112,292	-65,562
(less) Recaptured Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	103,565	13,266	13,877	1,811,752	519,217	2,675,772
Long-term Debt						
Bonds (less reacquired)	58,752	0	0	1,135,742	355,848	2,286,528
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	0	0	0	371	4	302
(less) Unamortized Discount on Long-term Debt	0	0	0	18,688	1,197	3,298
Other Long-term Debt	21,950	17,300	0	267,690	196,394	321,571
Total Long-term Debt	80,702	17,000	0	1,385,114	551,049	2,605,103
Other Noncurrent Liabilities						
Obligations Under Capital Lease-Noncurrent	0	18	0	2,062	39,054	135,549
Accumulated Provision for Property Insurance	0	0	0	5,151	0	5,550
Accumulated Provision for Injuries and Damages	200	105	0	0	100	5,325
Accumulated Provision for Pensions and Benefits	1,164	0	0	0	0	0
Accumulated Miscellaneous Operating Provisions	0	0	0	0	0	3,214
Accumulated Provisions for Rate Refunds	0	0	0	0	0	0
Total Other Noncurrent Liabilities	1,364	123	0	7,213	39,154	149,637
Current and Accrued Liabilities						
Notes Payable	0	2,000	0	158	190,000	0
Accounts Payable	9,696	123	515	48,851	21,583	103,715
Payables to Associated Companies	0	5,926	0	56,113	8,010	90
Taxes Accrued	7,561	2,130	930	5,680	26,213	22,571
Interest Accrued	2,083	557	0	24,675	15,758	85,005
Dividends Declared	0	0	0	2,835	0	0
Tax Collections Payable	1,102	103	12	2,908	519	2,457
Other Current and Accrued Liabilities	1,360	866	610	10,221	72,055	104,829
Total Current and Accrued Liabilities	21,803	11,705	1,967	151,442	334,138	318,667
Deferred Credits						
Customer Advances for Construction	13,702	4	0	0	987	263
Accumulated Deferred Investment Tax Credits	0	1,569	612	187,899	96,352	105,483
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recaptured Debt	0	0	0	765	0	0
Accumulated Deferred Income Taxes	41,253	2,187	-129	629,137	310,204	570,794
Other Deferred Credits	5,016	289	0	44,461	184,658	285,282
Total Deferred Credits	59,972	4,048	483	862,262	592,201	961,822
Total Liabilities and Other Credits	267,406	46,143	16,327	4,217,783	2,035,758	6,711,002

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Texas Houston Lighting & Power Co	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Texas Utilities Electric Co	Texas Texas New Mexico Power Co	Texas West Texas Utilities Co
Utility Plant						
Electric Utility Plant	10,258,794	75,756	1,951,853	7,899,186	473,184	895,642
Electric Construction Work in Progress	296,035	286	25,860	9,915,896	1,982	8,553
Total Electric Utility Plant	10,554,828	76,041	1,977,714	17,815,082	475,167	904,201
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	1,923,375	25,111	574,149	2,762,101	111,925	245,395
Net Electric Utility Plant (less nuclear fuel)	8,631,454	50,931	1,403,565	15,052,981	363,242	658,806
Nuclear Fuel	161,191	0	0	301,676	0	0
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	18,672	0	0	0	0	0
Net Nuclear Fuel	142,519	0	0	301,676	0	0
Other Utility Plant	0	0	0	0	0	0
Other Utility Construction Work in Progress	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization and Depletion	0	0	0	0	0	0
Net Other Utility Plant	0	0	0	0	0	0
All Utility Plant	10,419,984	75,756	1,951,853	8,200,862	473,184	895,642
All Utility Plant Construction Work in Progress	296,035	286	25,860	9,915,896	1,982	8,559
Total All Utility Plant	10,716,019	76,041	1,977,714	18,116,758	475,167	904,201
(less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	1,942,047	25,111	574,149	2,762,101	111,925	245,395
Net All Utility Plant	8,773,972	50,931	1,403,565	15,354,657	363,242	658,806
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	0	32	232	5,794	177	611
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	0	0	29,347	0	10	0
Other Investments	15	12	3,598	5,803	0	483
Special Funds	0	0	2,268	432	0	0
Total Other Property and Investments	15	44	35,465	12,029	187	1,094
Current and Accrued Assets						
Cash	495	272	2,614	5,126	2,467	1,602
Special Deposits	1,109	15	329	42,237	0	487
Working Funds	366	30	57	1,931	46	186
Temporary Cash Investments	0	0	85,030	0	0	0
Notes and Accounts Receivable (net)	16,678	6,606	57,573	158,253	3,271	10,600
Receivable from Associated Companies	112,141	0	2,118	273	23	5,163
Materials and Supplies	168,575	450	10,886	196,605	5,434	22,512
Prepayments	15,843	202	3,034	49,062	727	498
Miscellaneous Current and Accrued Assets	0	0	24,876	3,113	2,848	0
Total Current and Accrued Assets	315,207	7,574	186,519	456,601	14,817	41,048
Deferred Debits						
Unamortized Debt Expense	43,261	87	5,034	18,200	607	1,092
Extraordinary Property Losses	21,623	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	0	0	0	32,036	0	0
Preliminary Survey and Investigation Charges	2,010	0	1,129	0	22,661	201
Clearing Accounts	231	0	4,072	5,154	140	42
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	15	0	8,979	0	0	0
Unamortized Loss on Recaptured Debt	49,040	0	4,567	104,374	6,153	25,336
Accumulated Deferred Income Taxes	107,685	0	13,342	97,368	1,292	3,617
Other Deferred Debits	394,096	121	11,922	114,774	770	42,995
Total Deferred Debits	617,962	208	49,045	371,907	31,624	73,283
Total Assets and Other Debits	9,707,156	58,758	1,674,594	16,195,194	409,869	774,231

See endnotes at end of an individual electric utility

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Texas Houston Lighting & Power Co	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Utilities Electric Co	Texas New Mexico Power Co	Texas West Texas Utilities Co
Proprietary Capital						
Common Stock Issued	1,602,098	645	40,918	3,566,100	107	137,214
Preferred Stock Issued	578,220	1,719	102,112	1,336,742	13,880	31,000
Capital Stock Subscribed						
Liability and Premium	0	5,383	317,065	0	66,225	291
Other Paid in Capital	0	0	0	0	25,333	2,236
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	0	376	10,881	0	0	276
Retained Earnings	1,549,692	20,315	301,025	2,247,913	44,404	121,920
Unappropriated Undistributed Subsidiary Earnings	0	0	9,767	0	0	0
(less) Recquired Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	3,720,009	27,686	760,006	7,150,754	149,948	292,385
Long-term Debt						
Bonds (less reacquired)	3,301,046	12,477	564,075	5,709,897	136,246	263,717
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	1,220	0	115	842	19	0
(less) Unamortized Discount on Long-term Debt	13,526	0	133	55,004	855	1,943
Other Long-term Debt	397,906	3,515	2,873	489,889	0	0
Total Long-term Debt	3,686,647	15,992	566,930	6,145,623	135,409	261,774
Other Noncurrent Liabilities						
Obligations Under Capital Lease-Noncurrent	2,520	0	0	0	0	0
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Injuries and Damages	6,004	0	0	0	0	0
Accumulated Provision for Pensions and Benefits	0	0	0	1,778	0	0
Accumulated Miscellaneous Operating Provisions	0	0	0	0	0	0
Accumulated Provisions for Rate Refunds	0	0	11,358	0	0	0
Total Other Noncurrent Liabilities	8,524	0	11,358	1,778	0	0
Current and Accrued Liabilities						
Notes Payable	887	0	0	395	13,900	0
Accounts Payable	166,347	5,193	8,752	194,788	27,093	19,402
Payables to Associated Companies	44,539	0	585	518,174	0	1,669
Taxes Accrued	156,774	728	14,178	166,408	7,861	7,331
Interest Accrued	94,748	447	15,686	170,249	1,102	4,871
Dividends Declared	11,842	14	1,255	27,768	0	519
Tax Collections Payable	700	0	2,170	4,521	634	167
Other Current and Accrued Liabilities	144,012	780	60,161	92,709	4,133	1,497
Total Current and Accrued Liabilities	619,847	7,162	102,788	1,175,011	54,723	36,056
Deferred Credits						
Customer Advances for Construction	3,714	0	876	301	1,413	3
Accumulated Deferred Investment Tax Credits	506,738	2,186	7,472	747,585	17,382	38,732
Deferred Gain from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recquired Debt	0	0	0	0	0	0
Accumulated Deferred Income Taxes	1,089,632	5,697	223,688	943,104	49,602	132,029
Other Deferred Credits	72,043	35	1,476	31,037	1,391	13,251
Total Deferred Credits	1,672,127	7,918	233,513	1,722,027	69,789	184,015
Total Liabilities and Other Credits	9,707,156	58,758	1,674,594	16,195,194	409,869	774,231

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Vermont	Vermont	Vermont	Vermont	Virginia	Virginia
Item	Central Vermont Public Service Corp	Green Mountain Power Corp	Vermont Electric Power Co Inc	Vermont Yankee Nuclear Power Corp	Appalachian Power Co	Virginia Electric & Power Co
Utility Plant						
Electric Utility Plant	316,347	169,053	83,907	352,082	3,535,522	10,479,850
Electric Construction Work in Progress	12,489	3,986	192	125	23,561	745,369
Total Electric Utility Plant	328,837	179,039	84,099	352,207	3,559,083	11,219,219
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	68,778	47,285	31,325	148,617	1,234,948	2,921,976
Net Electric Utility Plant (less nuclear fuel)	260,058	131,754	52,774	203,591	2,324,134	8,297,243
Nuclear Fuel	4,642	0	0	294,549	0	816,237
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	2,862	0	0	289,275	0	576,840
Net Nuclear Fuel	1,780	0	0	5,274	0	239,397
Other Utility Plant	0	0	0	0	0	0
Other Utility Construction Work in Progress	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization, and Depletion	0	0	0	0	0	0
Net Other Utility Plant	0	0	0	0	0	0
All Utility Plant	320,990	169,053	83,907	646,631	3,535,522	11,290,087
All Utility Plant Construction Work in Progress	12,489	3,986	192	125	23,561	745,369
Total All Utility Plant*	333,479	179,039	84,099	646,757	3,559,083	12,035,456
(less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	71,641	47,285	31,325	437,892	1,234,948	3,498,816
Net All Utility Plant	261,838	131,754	52,774	208,864	2,324,134	8,536,640
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	2,944	1,520	0	0	16,820	5,528
Investments in Associated Companies	0	0	0	0	0	0
Investments in Subsidiary Companies	41,930	20,303	7,613	0	34,847	1
Other Investments	162	1,453	0	0	14,228	26,051
Special Funds	0	0	827	10,278	249	142,408
Total Other Property and Investments	45,055	23,276	8,440	10,278	66,143	173,988
Current and Accrued Assets						
Cash	89	459	96	1,751	12,551	17,894
Special Deposits	478	165	535	0	131	116
Working Funds	39	14	3	1	215	81
Temporary Cash Investments	116	0	100	248	39,955	0
Notes and Accounts Receivable (net)	10,755	15,465	367	3,312	105,198	351,936
Receivable from Associated Companies	3,073	4,380	12,407	9,996	12,204	387
Materials and Supplies	3,862	3,381	1,110	12,756	68,892	272,909
Prepayments	3,482	972	163	2,721	2,814	24,749
Miscellaneous Current and Accrued Assets	9,469	6,361	4	0	54,594	178,202
Total Current and Accrued Assets	31,363	31,198	14,785	30,786	296,555	846,274
Deferred Debits						
Unamortized Debt Expense	1,074	677	272	992	3,125	16,129
Extraordinary Property Losses	0	0	0	0	0	246,992
Unrecovered Plant and Regulatory Study Cost	9,830	154	0	0	0	6,675
Preliminary Survey and Investigation Charges	121	928	0	367	643	126
Clearing Accounts	48	0	7	0	789	-46
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	0	0	0	0
Unamortized Loss on Reacquired Debt	0	8	0	82	12,161	6,205
Accumulated Deferred Income Taxes	2,845	0	0	6,762	24,189	1,371
Other Deferred Debits	14,394	5,456	582	71,006	54,130	236,328
Total Deferred Debits	28,311	7,224	860	79,209	95,037	517,780
Total Assets and Other Debits	366,568	193,452	76,859	329,137	2,781,870	10,074,683

See endnotes at end of an individual electric utility

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Vermont Central Vermont Public Service Corp	Vermont Green Mountain Power Corp	Vermont Vermont Electric Power Co Inc	Vermont Vermont Yankee Nuclear Power Corp	Virginia Appalachian Power Co	Virginia Virginia Electric & Power Co
Proprietary Capital						
Common Stock Issued	40,280	12,363	6,000	40,001	260,458	2,197,506
Preferred Stock Issued	15,054	3,374	7,400	0	178,685	812,949
Capital Stock Subscribed, Liability, and Premium	43,535	38,779	0	0	1,475	0
Other Paid-in Capital	2,753	917	0	14,318	480,171	17,986
Installments Received on Capital Stock (less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	0	0	0	0	0	0
Retained Earnings	1,700	2,524	0	91	0	7,367
Unappropriated Undistributed Subsidiary Earnings	46,397	18,965	146	5,444	216,296	987,973
(less) Recaptured Capital Stock	3,297	1,242	213	0	3,608	0
Total Proprietary Capital	149,617	72,834	13,759	59,672	1,140,693	4,009,047
Long-term Debt						
Bonds (less reacquired)	99,210	49,260	44,710	54,178	768,355	2,754,075
Advances from Associated Companies	0	0	0	0	0	84,000
Unamortized Premium on Long-term Debt	0	0	0	62	800	349
(less) Unamortized Discount on Long-term Debt	0	0	0	0	5,186	11,024
Other Long-term Debt	2,900	8,798	0	24,417	237,408	1,198,423
Total Long-term Debt	122,110	58,058	44,710	78,657	1,001,378	4,025,823
Other Noncurrent Liabilities						
Obligations Under Capital Lease-Noncurrent	181	0	0	0	10,966	117,085
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Injuries and Damages	229	1,679	0	0	4,768	0
Accumulated Provision for Pensions and Benefits	0	5,803	0	82	0	0
Accumulated Miscellaneous Operating Provisions	0	0	0	0	914	0
Accumulated Provisions for Rate Refunds	0	110	0	0	0	22,340
Total Other Noncurrent Liabilities	710	7,592	0	82	16,649	139,425
Current and Accrued Liabilities						
Notes Payable	17,400	14,287	0	0	0	0
Accounts Payable	8,586	11,222	5,895	10,406	42,614	242,282
Payables to Associated Companies	7,910	7,256	6,186	0	21,135	3,408
Taxes Accrued	5,455	437	48	718	75,111	93,856
Interest Accrued	2,016	1,873	535	1,320	25,444	104,958
Dividends Declared	249	68	0	0	3,535	2,396
Tax Collections Payable	393	244	9	83	4,483	15,987
Other Current and Accrued Liabilities	10,433	1,367	1,165	5,098	58,157	168,876
Total Current and Accrued Liabilities	52,441	36,775	13,838	17,625	230,479	631,763
Deferred Credits						
Customer Advances for Construction	18	0	0	0	192	1,078
Accumulated Deferred Investment Tax Credits	10,744	6,951	1,158	9,397	103,152	385,341
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	1,003
Unamortized Gain on Recaptured Debt	0	76	0	3,770	0	52
Accumulated Deferred Income Taxes	29,394	8,696	3,284	62,842	227,498	844,272
Other Deferred Credits	1,534	2,471	108	97,091	61,830	36,879
Total Deferred Credits	41,690	18,193	4,551	173,100	392,672	1,268,626
Total Liabilities and Other Credits	366,568	193,452	76,859	329,137	2,781,870	10,074,683

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Washington	Washington	West Virginia	West Virginia	Wisconsin	Wisconsin
(Item)	Puget Sound Power & Light Co	Washington Water Power Co	Monongahela Power Co	Wheeling Power Co	Consolidated Water Power Co	Madison Gas & Electric Co
Utility Plant						
Electric Utility Plant	2,526,554	1,219,966	1,298,094	69,896	24,592	405,348
Electric Construction Work in Progress	59,016	6,302	36,024	1,041	2,773	4,673
Total Electric Utility Plant	2,585,570	1,226,268	1,334,118	70,937	27,365	410,021
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	667,400	270,331	512,347	27,531	10,217	206,474
Net Electric Utility Plant (less nuclear fuel)	1,918,170	955,937	821,771	43,406	17,148	203,547
Nuclear Fuel	0	0	0	0	0	0
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	0	0	0
Net Nuclear Fuel	0	0	0	0	0	0
Other Utility Plant	0	107,308	0	0	0	156,563
Other Utility Construction Work in Progress	0	545	0	0	0	945
Total Other Utility Plant	0	107,853	0	0	0	157,509
(less) Other Utility Accumulated Provision for Depreciation, Amortization and Depletion	0	36,671	0	0	0	73,072
Net Other Utility Plant	0	71,182	0	0	0	84,437
All Utility Plant	2,526,554	1,327,274	1,298,094	69,896	24,592	561,911
All Utility Plant Construction Work in Progress	59,016	6,847	36,024	1,041	2,773	5,618
Total All Utility Plant	2,585,570	1,334,121	1,334,118	70,937	27,365	567,529
(less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	667,400	307,002	512,347	27,531	10,217	279,545
Net All Utility Plant	1,918,170	1,027,119	821,771	43,406	17,148	287,984
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	1,487	575	604	36	0	729
Investments in Associated Companies	0	0	0	0	373	0
Investments in Subsidiary Companies	37,161	70,470	72,458	0	4,833	4,835
Other Investments	15,667	117,592	0	475	0	637
Special Funds	0	0	0	8	0	16,535
Total Other Property and Investments	54,315	188,637	73,062	519	5,206	22,735
Current and Accrued Assets						
Cash	-8,735	1,316	0	793	0	809
Special Deposits	89	0	160	12,542	0	2,535
Working Funds	1,901	93	115	9	0	4
Temporary Cash Investments	9,500	0	789	0	0	1,314
Notes and Accounts Receivable (net)	75,115	20,404	31,183	6,917	0	22,835
Receivable from Associated Companies	178	39	9,348	113	0	10,519
Materials and Supplies	43,003	11,358	42,346	123	0	14,221
Prepayments	3,789	838	3,211	151	318	6,294
Miscellaneous Current and Accrued Assets	58,271	4,803	14,610	2,049	0	16,071
Total Current and Accrued Assets	183,110	38,850	101,762	22,696	318	74,602
Deferred Debits						
Unamortized Debt Expense	8,392	4,665	1,725	0	0	1,239
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	71,295	14,066	0	0	0	0
Preliminary Survey and Investigation Charges	2,410	12,098	5,095	0	0	292
Clearing Accounts	0	265	52	-2	0	127
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	0	0	0	0
Unamortized Loss on Recaptured Debt	7,460	15,249	5,149	0	0	0
Accumulated Deferred Income Taxes	20,529	39,086	15,383	5,641	0	0
Other Deferred Debits	283,054	22,317	11,171	1,308	109	12,546
Total Deferred Debits	393,140	107,746	38,575	6,948	109	14,204
Total Assets and Other Debits	2,548,734	1,362,352	1,035,170	73,569	22,781	399,525

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Washington	Washington	West Virginia	West Virginia	Wisconsin	Wisconsin
Item	Puget Sound Power & Light Co	Washington Water Power Co	Monongahela Power Co	Wheeling Power Co	Consolidated Water Power Co	Madison Gas & Electric Co
Proprietary Capital						
Common Stock Issued	555,616	409,825	244,550	2,428	1,000	55,547
Preferred Stock Issued	174,987	111,525	69,000	0	0	6,300
Capital Stock Subscribed, Liability, and Premium	199,977	0	2,666	0	0	50,196
Other Paid-in Capital	83	-122	332	10,596	0	0
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	1,763	3,081	0	0	0	0
Retained Earnings	141,330	19,724	150,749	4,611	9,031	56,305
Unappropriated Undistributed Subsidiary Earnings	139	47,450	12,112	0	1,839	-1,095
(less) Recquired Capital Stock	50	0	0	0	0	0
Total Proprietary Capital	1,070,320	585,322	479,409	17,635	11,871	167,252
Long-term Debt						
Bonds (less reacquired)	988,250	445,145	293,000	0	0	142,443
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	275	383	130	0	0	16
(less) Unamortized Discount on Long-term Debt	819	1,848	1,513	0	0	350
Other Long-term Debt	201	112,823	76,210	22,000	0	0
Total Long-term Debt	987,907	556,503	367,826	22,000	0	142,108
Other Noncurrent Liabilities						
Obligations Under Capital Lease-Noncurrent	0	3,548	4,101	122	0	0
Accumulated Provision for Property Insurance	1,859	0	0	0	0	0
Accumulated Provision for Injuries and Damages	1,038	1,317	1,825	903	0	0
Accumulated Provision for Pensions and Benefits	0	0	365	0	0	0
Accumulated Miscellaneous Operating Provisions	0	0	0	0	0	0
Accumulated Provisions for Rate Refunds	0	0	0	0	0	0
Total Other Noncurrent Liabilities	2,896	4,865	6,291	1,026	0	0
Current and Accrued Liabilities						
Notes Payable	107,507	0	9,986	7,000	0	28,000
Accounts Payable	45,395	15,480	22,835	537	0	19,545
Payables to Associated Companies	2	875	6,075	5,563	8,555	0
Taxes Accrued	38,648	24,071	38,104	1,974	0	5,667
Interest Accrued	18,527	18,029	8,740	618	0	2,308
Dividends Declared	0	0	1,235	0	0	0
Tax Collections Payable	38	343	564	131	142	903
Other Current and Accrued Liabilities	7,342	9,944	5,275	998	159	10,634
Total Current and Accrued Liabilities	217,460	68,742	92,813	16,821	8,856	67,058
Deferred Credits						
Customer Advances for Construction	10,459	540	4,243	0	0	2,348
Accumulated Deferred Investment Tax Credits	15,685	13,706	36,645	942	890	17,395
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recquired Debt	282	0	0	0	0	0
Accumulated Deferred Income Taxes	214,313	96,191	47,490	2,464	1,165	3,202
Other Deferred Credits	29,412	36,483	453	12,681	0	161
Total Deferred Credits	270,152	146,920	88,831	16,087	2,055	23,107
Total Liabilities and Other Credits	2,548,734	1,362,352	1,035,170	73,569	22,781	399,525

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas & Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
Utility Plant						
Electric Utility Plant	671,152	16,853	7,014	25,355	3,307,414	1,279,360
Electric Construction Work in Progress	15,827	284	30	0	87,315	11,475
Total Electric Utility Plant	686,980	17,136	7,043	25,355	3,395,329	1,290,834
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	280,032	8,560	2,635	12,420	1,626,680	644,182
Net Electric Utility Plant (less nuclear fuel)	406,948	8,577	4,409	12,935	1,768,649	646,652
Nuclear Fuel	0	0	0	0	113,003	116,870
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	0	0	0	0	50,416	93,964
Net Nuclear Fuel	0	0	0	0	62,587	22,906
Other Utility Plant	67,840	0	7,125	23,231	28,122	261,493
Other Utility Construction Work in Progress	1,797	0	7	0	715	2,640
Total Other Utility Plant	69,637	0	7,132	23,231	28,836	264,133
(less) Other Utility Accumulated Provision for Depreciation, Amortization and Depletion	32,794	0	2,312	8,101	14,825	108,482
Net Other Utility Plant	36,843	0	4,820	15,130	14,012	155,651
All Utility Plant	738,993	16,853	14,138	48,586	3,448,539	1,657,723
All Utility Plant Construction Work in Progress	17,624	284	37	0	88,629	14,115
Total All Utility Plant	756,617	17,136	14,175	48,586	3,537,168	1,671,838
(less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	312,826	8,560	4,946	20,521	1,691,930	846,629
Net All Utility Plant	443,790	8,577	9,229	28,065	1,845,238	825,209
Other Property and Investments						
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	2,582	0	4	16	2,496	983
Investments in Associated Companies	0	0	0	0	0	5,305
Investments in Subsidiary Companies	818	0	0	0	0	8,295
Other Investments	3,867	0	0	12	70,175	0
Special Funds	0	0	0	0	219,267	31,174
Total Other Property and Investments	7,267	0	4	28	291,938	45,756
Current and Accrued Assets						
Cash	10	77	0	802	13,222	752
Special Deposits	0	0	0	42	3,905	0
Working Funds	33	1	0	8	240	355
Temporary Cash Investments	0	0	0	0	89,468	0
Notes and Accounts Receivable (net)	34,112	726	1,973	2,248	70,628	44
Receivable from Associated Companies	4,749	4	0	0	79	3,582
Materials and Supplies	4,292	494	0	508	135,622	42,178
Prepayments	9,222	193	0	863	43,696	21,469
Miscellaneous Current and Accrued Assets	17,417	396	1,025	3,243	93,939	32,558
Total Current and Accrued Assets	71,203	1,890	2,998	7,714	452,800	100,738
Deferred Debits						
Unamortized Debt Expense	1,836	26	0	274	2,163	1,603
Extraordinary Property Losses	0	0	0	0	0	0
Unrecovered Plant and Regulatory Study Cost	0	0	0	0	0	0
Preliminary Survey and Investigation Charges	53	0	0	0	0	0
Cleaning Accounts	328	0	12	21	1,884	228
Deferred Losses from Disposition of Utility Plant	0	0	0	0	0	0
Research, Development and Demonstration Expenditures	0	0	0	7	-4	0
Unamortized Loss on Reacquired Debt	5,976	2	0	0	13,147	0
Accumulated Deferred Income Taxes	774	0	0	0	19,082	0
Other Deferred Debits	1,821	0	0	206	7,652	19,142
Total Deferred Debits	10,788	29	12	508	43,924	20,972
Total Assets and Other Debits	533,048	10,496	12,242	36,315	2,633,901	992,675

See endnotes at end of an individual electric utility

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Wisconsin Northern States Power Co.	Wisconsin Northwestern Wisconsin Elec. Co.	Wisconsin South Bend Water Gas & Elec. Co.	Wisconsin Superior Water Light & Power Co.	Wisconsin Wisconsin Electric Power Co.	Wisconsin Wisconsin Power & Light Co.
Proprietary Capital						
Common Stock Issued	86,200	2,760	2,440	5,200	332,893	66,183
Preferred Stock Issued	0	0	0	0	100,451	59,963
Capital Stock Subscribed, Liability, and Premium	10,461	0	0	0	92,074	111,051
Other Paid-in Capital	0	0	0	0	50,388	1,691
Installments Received on Capital Stock	0	0	0	0	0	0
(less) Discount on Capital Stock	0	0	0	0	0	0
(less) Capital Stock Expense	0	0	0	3	0	0
Retained Earnings	155,989	1,110	5,832	8,730	715,000	227,325
Unappropriated Undistributed Subsidiary Earnings	78	0	0	0	0	3,400
(less) Recaptured Capital Stock	0	0	0	0	0	0
Total Proprietary Capital	252,728	3,870	8,272	13,930	1,290,806	469,614
Long-term Debt						
Bonds (less: reacquired)	132,467	3,930	0	7,225	880,266	314,505
Advances from Associated Companies	0	0	0	0	0	0
Unamortized Premium on Long-term Debt	64	0	0	0	293	7
(less) Unamortized Discount on Long-term Debt	0	0	0	0	7,065	1,424
Other Long-term Debt	18,600	180	0	7,350	75,000	0
Total Long-term Debt	151,131	4,110	0	14,575	948,494	313,088
Other Noncurrent Liabilities						
Obligations Under Capital Lease-Noncurrent	0	0	0	0	24,307	0
Accumulated Provision for Property Insurance	0	0	0	0	0	0
Accumulated Provision for Injuries and Damages	0	0	0	0	6,375	0
Accumulated Provision for Pensions and Benefits	0	0	0	0	0	0
Accumulated Miscellaneous Operating Provisions	0	0	0	0	0	0
Accumulated Provisions for Rate Refunds	0	0	0	0	0	0
Total Other Noncurrent Liabilities	0	0	0	0	30,682	0
Current and Accrued Liabilities						
Notes Payable	0	1,304	0	0	0	34,000
Accounts Payable	16,653	420	12	1,507	73,771	53,810
Payables to Associated Companies	44,406	0	3,022	2,016	171	476
Taxes Accrued	3,722	0	26	209	24,475	4,673
Interest Accrued	5,012	134	0	372	18,426	7,521
Dividends Declared	0	138	0	0	67	0
Tax Collections Payable	805	16	0	161	3,094	964
Other Current and Accrued Liabilities	292	87	41	575	60,452	20,796
Total Current and Accrued Liabilities	70,890	2,100	3,102	4,840	180,456	122,240
Deferred Credits						
Customer Advances for Construction	3,708	0	236	1,128	6,009	10,803
Accumulated Deferred Investment Tax Credits	29,086	416	391	1,297	109,893	51,196
Deferred Gains from Disposition of Utility Plant	0	0	0	0	0	0
Unamortized Gain on Recaptured Debt	0	0	0	0	0	0
Accumulated Deferred Income Taxes	-5,903	0	240	0	26,656	3,507
Other Deferred Credits	31,408	0	1	546	40,905	22,228
Total Deferred Credits	58,299	416	869	2,971	183,463	87,734
Total Liabilities and Other Credits	533,048	10,496	12,242	36,315	2,633,901	992,675

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission. FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp	Wisconsin River Power Co
Utility Plant		
Electric Utility Plant	1,120,483	23,586
Electric Construction Work in Progress	6,295	128
Total Electric Utility Plant	1,126,778	23,713
(less) Electric Utility Accumulated Provision for Depreciation, Amortization, and Depletion	631,016	12,056
Net Electric Utility Plant		
(less nuclear fuel)	495,762	11,657
Nuclear Fuel	127,266	0
(less) Accumulated Provision for Amortization of Nuclear Fuel Assemblies	104,427	0
Net Nuclear Fuel	22,839	0
Other Utility Plant	222,415	0
Other Utility Construction Work in Progress	557	0
Total Other Utility Plant	222,972	0
(less) Other Utility Accumulated Provision for Depreciation, Amortization and Depletion	117,633	0
Net Other Utility Plant	105,339	0
All Utility Plant	1,470,163	23,586
All Utility Plant Construction Work in Progress	6,852	128
Total All Utility Plant	1,477,015	23,713
(less) All Utility Accumulated Provision for Depreciation, Amortization and Depletion	853,076	12,056
Net All Utility Plant	623,940	11,657
Other Property and Investments		
Nonutility Property (less Accumulated Provision for Depreciation and Amortization)	2,477	2,530
Investments in Associated Companies	0	213
Investments in Subsidiary Companies	10,196	0
Other Investments	3,645	16
Special Funds	36,003	0
Total Other Property and Investments	52,320	2,758
Current and Accrued Assets		
Cash	-7,412	2
Special Deposits	3,716	0
Working Funds	73	0
Temporary Cash Investments	5,000	1,786
Notes and Accounts Receivable (net)	65,970	325
Receivable from Associated Companies	0	311
Materials and Supplies	42,967	69
Prepayments	18,689	79
Miscellaneous Current and Accrued Assets	33,298	6
Total Current and Accrued Assets	166,303	2,578
Deferred Debits		
Unamortized Debt Expense	537	0
Extraordinary Property Losses	0	0
Unrecovered Plant and Regulatory Study Cost	0	0
Preliminary Survey and Investigation Charges	0	0
Clearing Accounts	0	0
Deferred Losses from Disposition of Utility Plant	0	0
Research, Development and Demonstration Expenditures	0	0
Unamortized Loss on Reacquired Debt	4,669	0
Accumulated Deferred Income Taxes	2,997	0
Other Deferred Debits	19,810	183
Total Deferred Debits	28,013	183
Total Assets and Other Debits	870,575	17,177

See endnotes at end of an individual electric utility.

**Table 37. Balance Sheet by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin Public Service Corp	Wisconsin River Power Co
Proprietary Capital		
Common Stock Issued	91,554	9,360
Preferred Stock Issued	51,842	0
Capital Stock Subscribed		
Liability and Premium	49,583	0
Other Paid-in Capital	128	0
Installments Received on Capital Stock	0	0
(less) Discount on Capital Stock	0	0
(less) Capital Stock Expense	0	12
Retained Earnings	234,669	6,311
Unappropriated Undistributed Subsidiary Earnings	-2,829	0
(less) Reacquired Capital Stock	0	0
Total Proprietary Capital	424,966	15,658
Long-term Debt		
Bonds (less reacquired)	251,896	0
Advances from Associated Companies	0	0
Unamortized Premium on Long-term Debt	0	0
(less) Unamortized Discount on Long-term Debt	1,502	0
Other Long-term Debt	4,882	0
Total Long-term Debt	255,275	0
Other Noncurrent Liabilities		
Obligations Under Capital Lease-Noncurrent	0	0
Accumulated Provision for Property Insurance	0	0
Accumulated Provision for Injuries and Damages	425	0
Accumulated Provision for Pensions and Benefits	0	0
Accumulated Miscellaneous Operating Provisions	0	0
Accumulated Provisions for Rate Refunds	0	0
Total Other Noncurrent Liabilities	425	0
Current and Accrued Liabilities		
Notes Payable	36,000	0
Accounts Payable	46,093	181
Payables to Associated Companies	0	1
Taxes Accrued	975	1,045
Interest Accrued	5,309	0
Dividends Declared	0	0
Tax Collections Payable	2,809	1
Other Current and Accrued Liabilities	27,924	126
Total Current and Accrued Liabilities	119,110	1,353
Deferred Credits		
Customer Advances for Construction	9,759	0
Accumulated Deferred Investment Tax Credits	42,462	72
Deferred Gains from Disposition of Utility Plant	0	0
Unamortized Gain on Reacquired Debt	0	0
Accumulated Deferred Income Taxes	9,650	84
Other Deferred Credits	8,927	9
Total Deferred Credits	70,798	165
Total Liabilities and Other Credits	870,575	17,177

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989
(Thousand Dollars)**

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Net Cash Flow from Operating Activities						
Net Income	350,669	7,499	212,354	-6,705	82,096	131,979
Noncash Charges (Credits) to Income						
Depreciation and Depletion	276,173	7,351	186,675	13,252	44,822	123,493
Amortization	66,460	-1,065	32,975	5,031	933	1,557
Deferred Income Taxes (Net)	31,714	-48	107,860	1,318	-46,360	37,268
Investment Tax Credit Adjustment (Net)	-13,674	0	6,159	-989	10,798	3,543
Net (Increase) Decrease in Receivables	-10,436	-13,186	-3,178	8,294	13,800	-13,705
Net (Increase) Decrease in Inventory	20,408	0	-8,969	-973	2,119	-22,583
Net Inc (Dec) in Payables & Accrued Exp	17,559	1,600	26,702	-7,271	47,668	13,576
Less: Allowance for Other Funds						
Used During Construction	29,515	410	5,954	358	31,564	2,657
Less: Undistributed Earnings - Sub Co	5,534	0	-950	0	-58,424	-84
Other	68,348	1,042	-166,173	-3,018	21,523	-86,909
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	772,172	2,783	377,084	5,945	40,068	185,646
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-420,405	-14,772	-273,865	-8,084	-167,801	0
Gross Additions to Nuclear Fuel	-38,794	0	-28,429	0	0	-138,652
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	-501	0	0	0	0	0
Less: Allowance for Other Funds						
Used During Construction	-29,515	-410	-5,954	-358	-31,564	-2,657
Other	-17,188	-129	0	0	0	1,463
Cash Outflows For Plant	-447,373	-14,490	-296,340	-7,727	-136,237	-134,532
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	0	0
Investments in & Adv to Assoc & Sub Co	0	0	-3,601	0	-484	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	15,635	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	22,301	44,927	0
Proceeds from Sales of Investment Securities	0	0	3,200	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	-8,057	-917	1,946	0	0	1,084
Other	0	-2,790	854	0	0	0
Net Cash Provided by (Used in) Investing Activities	-455,430	-18,197	-293,941	-30,028	-166,012	-133,448
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	108,877	17,780	98,625	0	88,625	73,282
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	3,331	0
Other	326	1	0	0	-6	0
Net Increase in Short-term Debt	0	0	190,500	0	103,700	27,000
Other	30,000	0	0	0	3,298	6,659
Cash Provided by Outside Sources	139,203	17,781	289,125	0	198,947	106,941
Payment for Retirement of						
Long-term Debt	186,916	2,413	54,528	0	662	56,625
Preferred Stock	5,000	0	8,926	0	68	9,766
Common Stock	0	0	0	0	119	0
Other	4,992	-37	0	0	0	74
Net Decrease in Short-term Debt	0	0	0	0	0	0
Dividends on Preferred Stock	40,105	0	31,823	0	7,077	23,070
Dividends on Common Stock	217,300	0	210,944	0	61,854	97,692
Net Cash Provided by Financing Activities	-315,020	15,405	-17,096	0	129,167	-80,286
Net Increase (Decrease) in Cash and Cash Equivalents	1,722	-10	66,047	-24,083	3,223	-28,088
Cash and Cash Equivalents at Beginning of Year	1,517	117	7,876	26,359	568	29,279
Cash and Cash Equivalents at End of Year	3,239	107	73,923	2,276	3,791	1,190

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Thousand Dollars)**

Item	California Pacific Gas & Electric Co	California San Diego Gas & Electric Co	California Southern California Edison Co	Colorado Public Service Co of Colorado	Connecticut Citizens Utilities Co	Connecticut Connecticut Light & Power Co
Net Cash Flow from Operating Activities						
Net Income	900,628	187,126	723,148	148,841	88,705	214,505
Noncash Charges (Credits) to Income:						
Depreciation and Depletion	937,334	170,167	566,323	100,401	10,371	154,718
Amortization	31	2,421	100,737	1,477	73	158,968
Deferred Income Taxes (Net)	88,420	36,203	120,095	40,704	1,669	39,679
Investment Tax Credit Adjustment (Net)	-9,959	-12,760	-14,707	-4,554	-417	-11,966
Net (Increase) Decrease in Receivables	12,436	20,201	-55,067	11,978	-4,681	-18,622
Net (Increase) Decrease in Inventory	17,861	659	35,809	-6,873	-373	-12,423
Net Inc (Dec) in Payables & Accrued Exp	151,604	-4,880	186,154	16,616	2,566	6,531
Less: Allowance for Other Funds Used During Construction	24,845	7,386	12,598	1,374	2,299	2,659
Less: Undistributed Earnings Sub Co	-27,088	3,710	1,022	4,069	0	1,253
Other	196,554	-64,283	74,642	-33,078	3,727	-41,526
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	2,297,151	323,757	1,723,514	270,069	99,341	485,952
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant (Less Nuclear Fuel)	-1,100,975	-236,319	-779,957	-125,983	-40,917	-205,701
Gross Additions to Nuclear Fuel	0	0	-47,554	378	0	-16,212
Gross Additions to Common Utility Plant	-215,521	-8,718	0	-17,592	0	0
Gross Additions to Nonutility Plant	6,244	0	-2,463	-1,336	0	0
Less: Allowance for Other Funds Used During Construction	-24,845	-7,386	-12,598	-1,374	0	-2,659
Other	0	-22,727	-2,930	-1,483	4,966	0
Cash Outflows For Plant	-1,285,407	-262,378	-820,307	-144,641	-35,951	-219,254
Acquisition of Other Noncurrent Assets	0	0	0	42,727	0	0
Proceeds from Disposal of Noncurrent Assets	0	439	-112,984	37,280	0	0
Investments in & Adv to Assoc & Sub Co	-3,959	0	3,708	0	0	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	-49,005	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	-58,764	-7,543
Net (Increase) Decrease in Inventory	0	0	0	0	0	-4,454
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	45,810	69
Other	11,915	2,892	-6,539	0	0	242,198
Net Cash Provided by (Used in) Investing Activities	-1,277,451	-259,047	-936,122	-150,088	-97,910	11,016
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	194,826	0	148,061	357	43,668	170,121
Preferred Stock	0	0	0	0	0	125,000
Common Stock	334,987	116	0	8,570	0	0
Other	-5,730	0	0	0	0	22,974
Net increase in Short-term Debt	0	57,800	57,212	61,729	0	0
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	524,083	57,916	205,274	70,655	43,668	318,095
Payment for Retirement of						
Long-term Debt	274,616	1,181	142,176	20,500	30	353,622
Preferred Stock	25,390	3,000	15,363	2,576	0	4,940
Common Stock	0	0	0	0	0	0
Other	118,469	0	129,107	0	35,885	85,169
Net Decrease in Short-term Debt	-447,101	0	0	-47,800	0	-82,550
Dividends on Preferred Stock	101,560	11,260	44,776	12,487	0	30,536
Dividends on Common Stock	590,626	149,516	680,524	105,177	11,173	256,972
Net Cash Provided by Financing Activities	-1,033,679	-107,042	-806,672	-117,885	-3,420	-495,694
Net Increase (Decrease) in Cash and Cash Equivalents	-13,979	-42,331	-19,280	2,095	-1,989	1,274
Cash and Cash Equivalents at Beginning of Year	55,103	45,286	19,855	4,048	4,687	1,952
Cash and Cash Equivalents at End of Year	41,124	2,955	575	6,143	2,698	3,226

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others"

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Net Cash Flow from Operating Activities						
Net Income	16,048	-156	-73,351	91,308	214,587	436,885
Noncash Charges (Credits) to Income						
Depreciation and Depletion	11,232	69	30,662	75,989	109,867	590,995
Amortization	38,139	0	38,316	5,588	9,966	85,900
Deferred Income Taxes (Net)	-1,217	26	-6,154	22,719	26,686	-23,710
Investment Tax Credit Adjustment (Net)	-1,690	0	-22,758	-3,219	-3,406	-23,096
Net (Increase) Decrease in Receivables	1,674	2,060	-16,865	-10,616	-18,799	-24,129
Net (Increase) Decrease in Inventory	-651	0	-4,463	10,132	5,900	-49,446
Net Inc (Dec) in Payables & Accrued Exp	3,746	-1,034	17,124	24,306	22,408	54,732
Less: Allowance for Other Funds						
Used During Construction	1,071	1	38,968	3,730	2,321	6,381
Less: Undistributed Earnings - Sub Co	0	0	0	5,007	0	0
Other	-7,185	-5	176,185	-33,813	-63,656	-78,429
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in)						
Operating Activities	59,025	958	99,728	173,655	301,232	963,321
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-28,971	-74	-130,138	-161,564	-344,633	-761,089
Gross Additions to Nuclear Fuel	-19,678	0	-12,346	-6,782	0	-81,785
Gross Additions to Common Utility Plant	0	0	0	-7,497	0	0
Gross Additions to Nonutility Plant	0	0	0	0	-231	0
Less: Allowance for Other Funds						
Used During Construction	-1,071	-1	-38,968	3,052	-2,321	-6,381
Other	0	0	0	0	0	0
Cash Outflows For Plant	-47,578	-73	-103,516	-178,894	-342,544	-836,493
Acquisition of Other Noncurrent Assets	0	0	0	0	0	32,547
Proceeds from Disposal of Noncurrent Assets	0	0	0	-4,646	134	47,399
Investments in & Adv to Assoc & Sub Co	0	0	0	0	0	0
Contributions and Adv from Assoc & Sub Co	0	0	0	1,180	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	1,955	996	0	0	0	0
Net (Increase) Decrease in Inventory	-760	0	0	-235	0	0
Net Inc (Dec) in Payables & Accr Exp	6,156	-1,183	0	-2,547	0	0
Other	-15,767	0	0	-1,577	0	-2,698
Net Cash Provided by (Used in)						
Investing Activities	-55,994	-260	-103,516	-186,720	-342,410	-824,339
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	0	25,000	20,000	146,839	213,542
Preferred Stock	0	0	0	45,000	0	0
Common Stock	0	0	0	15,235	72,355	0
Other	0	0	-4,480	-2,143	0	0
Net Increase in Short-term Debt	13,000	0	45,000	8,500	0	92,300
Other	0	0	0	0	-1,441	119,715
Cash Provided by Outside Sources	13,000	0	65,520	86,592	217,753	425,557
Payment for Retirement of						
Long-term Debt	8,956	694	3,667	150	681	163,794
Preferred Stock	0	0	37,400	13,541	0	16,050
Common Stock	0	0	0	0	0	0
Other	21	0	0	-2,621	0	0
Net Decrease in Short-term Debt	0	0	0	0	-38,924	-398,075
Dividends on Preferred Stock	0	0	9,597	7,036	9,235	43,920
Dividends on Common Stock	11,550	0	32,219	69,737	138,927	0
Net Cash Provided by Financing Activities	-7,527	-694	-17,362	-1,251	29,986	-196,282
Net Increase (Decrease) in Cash and Cash Equivalents	-4,496	4	-21,150	-14,316	-11,192	-57,300
Cash and Cash Equivalents at Beginning of Year	4,502	4	59,918	14,351	14,752	59,643
Cash and Cash Equivalents at End of Year	7	8	38,767	35	3,560	2,344

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 38. Statement of Cash Flows by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Florida	Florida	Florida	Georgia	Georgia	Hawaii
Item	Florida Power Corp	Gulf Power Co	Tampa Electric Co	Georgia Power Co	Savannah Electric & Power Co	Hawaiian Electric Co Inc
Net Cash Flow from Operating Activities						
Net Income	184,044	42,983	109,676	520,878	27,956	52,833
Noncash Charges (Credits) to Income						
Depreciation and Depletion	154,921	47,864	87,057	383,277	16,054	27,642
Amortization	22,968	15,710	2,143	124,440	5,256	0
Deferred Income Taxes (Net)	11,452	5,318	-5,132	184,489	3,477	-3,072
Investment Tax Credit Adjustment (Net)	-8,454	0	-5,014	-30,863	0	-71
Net (Increase) Decrease in Receivables	-41,095	492	-2,019	-59,035	-6,949	-11,694
Net (Increase) Decrease in Inventory	-16,599	16,967	787	-33,124	-1,503	-9,245
Net Inc (Dec) in Payables & Accrued Exp	25,611	9,948	18,977	-3,190	2,520	11,521
Less: Allowance for Other Funds						
Used During Construction	0	-446	2,344	40,525	0	2,637
Less: Undistributed Earnings - Sub Co	0	0	0	3,750	0	11,129
Other	-1,432	184	25,706	-121,372	2,041	9,935
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	331,416	139,911	229,836	921,225	48,851	64,083
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-228,995	-70,727	-103,045	-665,151	-18,831	-78,454
Gross Additions to Nuclear Fuel	-25,845	0	0	-62,480	0	0
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	0	0	0	-1,804	0	0
Less: Allowance for Other Funds						
Used During Construction	0	446	-2,344	-40,525	0	-2,637
Other	0	865	0	3,518	381	4,308
Cash Outflows For Plant	-254,841	-70,308	-100,701	-685,392	-18,450	-71,508
Acquisition of Other Noncurrent Assets	6,026	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	10,479	0	0	0	0	0
Investments in & Adv to Assoc & Sub Co	0	0	0	0	0	-4,739
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	1,717	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	3,634	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	-17,863	0	0
Other	-10,964	0	0	19,250	0	-1,938
Net Cash Provided by (Used in) Investing Activities	-261,352	-70,308	-98,984	-680,371	-18,450	-78,246
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	214,215	0	0	300,000	30,000	28,943
Preferred Stock	0	0	0	0	0	20,000
Common Stock	0	0	0	0	0	0
Other	25,000	7,023	0	0	-1,071	0
Net Increase in Short-term Debt	0	0	0	0	0	9,325
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	239,215	7,023	0	300,000	28,929	58,268
Payment for Retirement of						
Long-term Debt	150,143	15,005	195	95,827	26,386	20,800
Preferred Stock	0	1,250	12,000	7,500	6,591	650
Common Stock	0	0	0	0	0	0
Other	0	0	2,353	4,742	0	301
Net Decrease in Short-term Debt	-17,000	0	-4,247	0	0	0
Dividends on Preferred Stock	16,832	5,622	4,445	72,259	2,318	3,015
Dividends on Common Stock	125,387	37,200	108,268	394,500	20,000	19,961
Net Cash Provided by Financing Activities	-70,147	-52,054	-131,509	-274,828	-26,365	13,541
Net Increase (Decrease) in Cash and Cash Equivalents	-83	17,549	-656	-33,974	4,036	-622
Cash and Cash Equivalents at Beginning of Year	-135	14,242	3,051	193,767	4,273	-2,766
Cash and Cash Equivalents at End of Year	-217	31,791	2,394	159,792	8,309	-3,389

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Hawaii Maur Electric Co Ltd	Idaho Idaho Power Co	Illinois Central Illinois Light Co	Illinois Central Illinois Pub Serv Co	Illinois Commonwealth Edison Co	Illinois Electric Energy Inc
Net Cash Flow from Operating Activities						
Net Income	7,480	64,737	44,431	71,222	693,683	11,932
Noncash Charges (Credits) to Income						
Depreciation and Depletion	6,895	52,782	46,383	65,060	851,674	4,090
Amortization	0	310	713	0	98,950	0
Deferred Income Taxes (Net)	-428	-217	4,461	3,141	197,244	-8,181
Investment Tax Credit Adjustment (Net)	140	-3,187	-1,694	-3,267	-84,576	-108
Net (Increase) Decrease in Receivables	-1,004	-3,685	-4,002	-18,820	9,471	6,681
Net (Increase) Decrease in Inventory	-1,079	5,823	-5,748	7,254	-68,563	9,967
Net Inc (Dec) in Payables & Accrued Exp	909	13,594	13,140	15,431	422,266	5,597
Less: Allowance for Other Funds						
Used During Construction	465	728	0	472	24,700	0
Less: Undistributed Earnings - Sub Co	0	7,215	0	101	5,566	0
Other	-281	4,872	8,949	6,770	65,366	2,356
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	12,167	147,087	106,633	146,198	2,155,250	32,333
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant (Less Nuclear Fuel)	-18,414	-62,039	-44,263	-61,930	-730,283	-7,542
Gross Additions to Nuclear Fuel	0	0	0	0	-310,076	0
Gross Additions to Common Utility Plant	0	0	-4,798	0	0	0
Gross Additions to Nonutility Plant	0	0	-374	0	-4,755	0
Less: Allowance for Other Funds						
Used During Construction	-465	-728	118	-472	-24,700	0
Other	-938	836	0	0	-64,010	0
Cash Outflows For Plant	-18,886	-60,475	-49,554	-61,458	-1,084,424	-7,542
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	-2,718	0	0	0
Investments in & Adv to Assoc & Sub Co	0	-4,000	0	0	-29	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	400	0
Purchase of Investment Securities	0	0	0	7,881	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	1,905	39	0	-171,457	8,779
Net Cash Provided by (Used in) Investing Activities	-18,886	-62,570	-52,233	-69,339	-1,255,510	737
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	8,775	0	0	0	594,802	0
Preferred Stock	5,000	0	0	0	0	0
Common Stock	0	0	0	0	9,666	0
Other	0	0	0	0	0	0
Net Increase in Short-term Debt	1,111	0	0	0	0	0
Other	0	6,577	0	0	12,402	0
Cash Provided by Outside Sources	14,886	6,577	0	0	616,870	0
Payment for Retirement of						
Long-term Debt	3,728	18,504	0	12,000	478,209	4,500
Preferred Stock	530	65	0	3,000	109,277	0
Common Stock	0	0	0	0	0	0
Other	39	0	0	0	52,735	0
Net Decrease in Short-term Debt	0	-6,000	0	0	-27,375	-17,400
Dividends on Preferred Stock	774	4,287	4,441	5,856	97,197	0
Dividends on Common Stock	2,733	62,178	33,231	61,168	634,786	11,350
Net Cash Provided by Financing Activities	7,083	-84,457	-37,672	-82,024	-677,241	-33,250
Net Increase (Decrease) in Cash and Cash Equivalents	364	60	16,728	-5,164	222,499	-180
Cash and Cash Equivalents at Beginning of Year	567	1,223	7,125	6,755	43,193	266
Cash and Cash Equivalents at End of Year	931	1,283	23,853	1,591	265,692	87

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Illinois Power Co	Illinois Mt Carmel Public Utility Co	Indiana Alcoa Generating Corp	Indiana AEP Generating Co	Indiana Commonwealth Edison Co of Indiana Inc	Indiana Michigan Power Co
Net Cash Flow from Operating Activities						
Net Income	-288,432	676	2,010	38,692	5,489	137,145
Noncash Charges (Credits) to Income						
Depreciation and Depletion	176,744	486	4,400	20,298	6,986	124,594
Amortization	9,659	0	0	0	0	17,961
Deferred Income Taxes (Net)	-4,254	-94	388	-143,467	-65	-196,732
Investment Tax Credit Adjustment (Net)	-12,419	-22	-327	34,148	-77	27,445
Net (Increase) Decrease in Receivables	-25,891	-251	-201	-7,819	-1,797	-78,949
Net (Increase) Decrease in Inventory	-9,991	-11	742	-584	1,758	4,682
Net Inc (Dec) in Payables & Accrued Exp	4,415	36	4,146	241	-5,342	26,366
Less: Allowance for Other Funds						
Used During Construction	23,269	0	0	20,401	157	27,972
Less: Undistributed Earnings Sub Co	-1,689	0	0	-153,503	0	733
Other	397,489	842	1,868	-31,085	-347	168,482
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in)						
Operating Activities	225,740	1,663	13,025	43,527	6,448	202,288
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-92,748	-814	-7,225	-90,830	-6,005	-196,824
Gross Additions to Nuclear Fuel	-4,033	0	0	0	0	0
Gross Additions to Common Utility Plant	0	-251	0	0	0	0
Gross Additions to Nonutility Plant	0	0	0	0	0	0
Less: Allowance for Other Funds						
Used During Construction	-1,689	0	0	-20,401	-157	-27,972
Other	0	19	0	0	0	0
Cash Outflows For Plant	-95,092	-1,046	-7,225	-70,429	-5,848	-168,852
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	0	0
Investments in & Adv to Assoc & Sub Co	0	0	0	0	0	8,800
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	0	0	850,000	0	851,380
Net Cash Provided by (Used in)						
Investing Activities	-95,092	-1,046	-7,225	779,571	-5,848	691,329
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	223,500	0	0	240,000	0	0
Preferred Stock	0	0	0	0	0	0
Common Stock	33,031	0	0	0	0	0
Other	0	0	0	0	0	0
Net Increase in Short-term Debt	0	0	0	0	0	0
Other	-1,511	0	0	-222,000	0	-63,000
Cash Provided by Outside Sources	255,020	0	0	18,000	0	-63,000
Payment for Retirement of						
Long-term Debt	228,350	0	0	645,000	0	62,656
Preferred Stock	0	0	0	0	0	7,000
Common Stock	0	0	0	0	0	0
Other	0	0	0	1,166	0	-144
Net Decrease in Short-term Debt	-16,765	0	-1,000	-5,450	0	-35,850
Dividends on Preferred Stock	37,340	0	0	0	1,100	18,248
Dividends on Common Stock	49,092	400	4,800	28,101	0	119,952
Net Cash Provided by Financing Activities	-76,527	-400	-5,800	-661,717	-1,100	-306,562
Net Increase (Decrease) in Cash and Cash						
Equivalents	54,121	217	0	161,381	-500	587,055
Cash and Cash Equivalents at						
Beginning of Year	-2,075	1,180	0	701	4,886	8,363
Cash and Cash Equivalents at End of Year	52,046	1,397	0	162,082	4,386	595,418

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Net Cash Flow from Operating Activities						
Net Income	94,471	86,650	138,325	36,216	28,627	32,833
Noncash Charges (Credits) to Income						
Depreciation and Depletion	68,617	160,817	93,721	31,492	24,435	36,639
Amortization	5,546	4,946	372	2,054	-182	9,392
Deferred Income Taxes (Net)	4,814	16,404	-24,643	-1,513	649	1,186
Investment Tax Credit Adjustment (Net)	-3,487	14,373	-4,274	-1,545	-1,038	-2,035
Net (Increase) Decrease in Receivables	1,044	523	75,121	-1,854	-423	1,263
Net (Increase) Decrease in Inventory	-3,885	19,047	27,638	-996	-8,326	1,402
Net Inc (Dec) in Payables & Accrued Exp	5,472	99,501	-5,280	2,695	-512	-11,038
Less: Allowance for Other Funds						
Used During Construction	1,396	4	0	357	-190	757
Less: Undistributed Earnings - Sub Co	0	-655	0	0	15	0
Other	-7,376	33,270	117,250	-1,372	-15,326	48,624
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	163,820	436,184	418,229	64,820	28,078	117,508
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-88,934	-137,037	-144,082	-23,355	-27,526	-60,024
Gross Additions to Nuclear Fuel	0	0	0	0	0	0
Gross Additions to Common Utility Plant	-2,120	-13,749	0	-3,273	0	0
Gross Additions to Nonutility Plant	0	0	0	5	0	0
Less: Allowance for Other Funds						
Used During Construction	-1,396	-4	0	-357	-190	-757
Other	-1,479	0	1,761	0	1,081	0
Cash Outflows For Plant	-91,137	-150,783	-142,320	-26,266	-26,256	-59,267
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	1,410	-2,336
Investments in & Adv to Assoc & Sub Co	0	1,777	0	-4,941	-2	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	48,976	0	0
Proceeds from Sales of Investment Securities	0	0	0	44,301	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	-2,084
Net Inc (Dec) in Payables & Accr Exp	0	4,800	0	0	0	1,255
Other	0	352	0	-110	0	637
Net Cash Provided by (Used in) Investing Activities	-91,137	-143,853	-142,320	-35,993	-24,848	-61,795
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	73,500	51,000	0	0	0	0
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	0	0
Other	0	0	2,060	0	0	0
Net Increase in Short-term Debt	0	0	0	0	2,100	0
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	73,500	51,000	2,060	0	2,100	0
Payment for Retirement of						
Long-term Debt	77,658	123,653	84,029	0	6,483	1,633
Preferred Stock	20,000	9,049	38,944	50	956	2,000
Common Stock	0	0	0	0	1	0
Other	1,016	-8,406	0	0	0	9,386
Net Decrease in Short-term Debt	0	-115,850	-102,500	-126	0	-12,088
Dividends on Preferred Stock	5,629	13,935	13,326	1,285	3,261	1,470
Dividends on Common Stock	65,833	99,965	42,655	22,394	18,596	28,480
Net Cash Provided by Financing Activities	-94,636	-303,046	-279,393	-23,854	-27,176	-55,057
Net Increase (Decrease) in Cash and Cash Equivalents	-21,953	-10,716	-3,485	4,973	-23,947	656
Cash and Cash Equivalents at Beginning of Year	32,777	26,255	5,355	1,172	24,848	1,104
Cash and Cash Equivalents at End of Year	10,824	15,539	1,870	6,144	901	1,760

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Iowa	Iowa	Iowa	Iowa	Kansas	Kansas
Item	Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa Illinois Gas & Electric Co	Centel Corp	Kansas Gas & Electric Co
Net Cash Flow from Operating Activities						
Net Income	43,238	44,597	20,620	58,544	445,250	47,493
Noncash Charges (Credits) to Income						
Depreciation and Depletion	36,469	36,854	12,240	46,542	14,135	65,654
Amortization	1,883	1,525	45	16,397	1,075	3,961
Deferred Income Taxes (Net)	3,750	2,700	979	15,181	23,117	9,916
Investment Tax Credit Adjustment (Net)	-1,648	-2,358	-846	-2,778	-871	-1,745
Net (Increase) Decrease in Receivables	-16,138	-10,544	-2,630	-1,863	-14,695	-8,941
Net (Increase) Decrease in Inventory	6,298	2,404	-942	3,145	-832	822
Net Inc (Dec) in Payables & Accrued Exp	-472	-8,212	6,589	-3,072	31,464	14,069
Less: Allowance for Other Funds						
Used During Construction	921	0	333	1,576	238	0
Less: Undistributed Earnings - Sub Co	78	0	0	6,019	0	0
Other	11,443	-12,071	-3,598	5,590	4,303	-390
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in)						
Operating Activities	83,823	49,190	32,124	130,093	456,473	130,839
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-73,875	-37,781	-19,895	-35,312	-13,864	-39,900
Gross Additions to Nuclear Fuel	0	0	0	-9,765	0	-16,865
Gross Additions to Common Utility Plant	0	-3,254	0	-6,399	-6,197	0
Gross Additions to Nonutility Plant	0	-40	0	-70	0	0
Less: Allowance for Other Funds						
Used During Construction	921	0	-333	-1,576	-238	0
Other	516	0	0	0	-973	0
Cash Outflows For Plant	-74,281	-41,075	-19,563	-49,970	-20,795	-56,765
Acquisition of Other Noncurrent Assets	0	0	0	1,480	0	0
Proceeds from Disposal of Noncurrent Assets	0	17,126	12	-8,317	0	0
Investments in & Adv to Assoc & Sub Co	0	0	0	-25,000	-179,859	-1,840
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	500	0	0	5,122	7,332
Proceeds from Sales of Investment Securities	0	0	0	0	297,695	115,643
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	-10,972	37	0	79	-1,223	-28,348
Net Cash Provided by (Used in)						
Investing Activities	-84,352	-24,411	-19,540	-84,688	90,696	21,358
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	0	0	0	0	0
Preferred Stock	0	0	0	0	9,500	0
Common Stock	0	0	0	0	93	154
Other	0	0	0	0	0	4,087
Net Increase in Short-term Debt	11,400	27,100	0	10,500	0	69,700
Other	240	0	0	0	0	0
Cash Provided by Outside Sources	11,640	27,100	0	10,500	9,593	73,941
Payment for Retirement of						
Long-term Debt	6,548	12,393	424	4,154	16,312	148,280
Preferred Stock	0	4	300	575	1,067	0
Common Stock	0	0	0	0	0	0
Other	0	0	0	-239	163,379	0
Net Decrease in Short-term Debt	0	0	0	0	171,903	-17,912
Dividends on Preferred Stock	841	4,520	1,134	2,053	1,054	821
Dividends on Common Stock	36,560	34,596	16,843	43,762	130,006	55,899
Net Cash Provided by Financing Activities	-32,309	-24,413	-18,702	-39,805	-474,127	-148,971
Net Increase (Decrease) in Cash and Cash Equivalents	-32,838	372	-6,118	5,599	73,042	3,226
Cash and Cash Equivalents at Beginning of Year	34,924	559	23,094	1,333	924	3,976
Cash and Cash Equivalents at End of Year	2,086	931	16,977	6,932	73,967	7,202

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 38. Statement of Cash Flows by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light & Heat & Power Co
Net Cash Flow from Operating Activities:						
Net Income	72,778	36,324	93,768	76,091	121	2,644
Noncash Charges (Credits) to Income:						
Depreciation and Depletion	73,305	19,805	52,332	50,756	465	6,282
Amortization	0	556	65	4,038	0	17
Deferred Income Taxes (Net)	16,410	-1,565	15,051	2,929	-6	-266
Investment Tax Credit Adjustment (Net)	-4,248	-1,320	-4,103	5,822	-35	-295
Net (Increase) Decrease in Receivables	-20,805	-5,022	-4,468	-8,548	16	-6,548
Net (Increase) Decrease in Inventory	-242	-2,212	14,418	4,196	0	-1,141
Net Inc (Dec) in Payables & Accrued Exp	51,075	6,983	-6,930	17,662	-38	4,643
Less: Allowance for Other Funds						
Used During Construction	-555	158	22,896	0	0	67
Less: Undistributed Earnings - Sub Co	-145	0	51	121	0	0
Other	-53,881	-3,195	10,768	-6,420	-11	3,520
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	135,090	50,195	147,957	146,405	514	8,789
Cash Flows from Investment Activities:						
Construction & Acquisition of Plant (Inc Land):						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-149,885	-29,909	-50,135	-166,424	-80	-23,178
Gross Additions to Nuclear Fuel	0	0	0	0	0	0
Gross Additions to Common Utility Plant	0	0	0	-7,458	0	27
Gross Additions to Nonutility Plant	0	0	0	0	0	0
Less: Allowance for Other Funds						
Used During Construction	555	-158	-51	0	0	-67
Other	0	0	0	0	0	183
Cash Outflows For Plant	-150,440	-29,751	-50,085	-173,882	-80	-22,901
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	5,119	0	31	0	311
Investments in & Adv to Assoc & Sub Co	-3,400	0	-4,601	-175	0	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	175	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	5,350	600	-600	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	677	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	0	0	0	0	0
Net Cash Provided by (Used in) Investing Activities	-153,163	-24,632	-49,336	-173,426	-505	-22,590
Cash Flows from Financing Activities:						
Proceeds from Issuance of:						
Long-term Debt	0	0	0	68,755	0	19,657
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	14,715	0	0
Other	0	0	0	0	0	0
Net Increase in Short-term Debt	93,100	0	0	10,400	0	4,100
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	93,100	0	0	93,869	0	23,757
Payment for Retirement of:						
Long-term Debt	13,271	25	0	500	0	0
Preferred Stock	1,300	0	3,600	0	0	8,600
Common Stock	0	0	0	0	0	0
Other	0	0	0	0	0	0
Net Decrease in Short-term Debt	0	-6,975	0	0	0	0
Dividends on Preferred Stock	1,857	0	5,871	9,466	0	0
Dividends on Common Stock	60,836	18,848	52,945	56,809	0	1,456
Net Cash Provided by Financing Activities	15,835	-25,848	-62,416	27,094	0	13,701
Net Increase (Decrease) in Cash and Cash Equivalents	-2,238	-286	36,205	73	8	-101
Cash and Cash Equivalents at Beginning of Year	8,780	1,821	68,173	376	26	1,339
Cash and Cash Equivalents at End of Year	6,542	1,535	104,378	448	35	1,238

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 38. Statement of Cash Flows by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Louisiana	Louisiana	Louisiana	Louisiana	Maine	Maine
Item	Central Louisiana Electric Co Inc	Louisiana Power & Light Co	New Orleans Public Service Inc	Southwestern Electric Power Co	Bangor Hydro- Electric Co	Central Maine Power Co
Net Cash Flow from Operating Activities						
Net Income	41,549	106,613	14,464	97,217	8,777	48,573
Noncash Charges (Credits) to Income						
Depreciation and Depletion	31,989	126,681	15,546	75,525	4,260	32,632
Amortization	792	48,043	0	1,915	2,843	10,312
Deferred Income Taxes (Net)	3,976	7,840	9,296	8,351	6,859	8,847
Investment Tax Credit Adjustment (Net)	-1,497	20,819	444	-5,695	12	172
Net (Increase) Decrease in Receivables	-1,369	-30,405	-7,582	-8,411	-4,245	-36,753
Net (Increase) Decrease in Inventory	-74	-7,824	592	3,448	-1,527	-2,669
Net Inc (Dec) in Payables & Accrued Exp	10,638	27,222	4,727	16,189	-814	5,251
Less: Allowance for Other Funds						
Used During Construction	0	1,595	28	163	373	1,681
Less: Undistributed Earnings - Sub Co	0	0	0	-79	165	538
Other	-3,585	-50,486	6,350	-16,376	-16,273	5,657
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	82,419	246,907	43,808	172,079	-646	69,893
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-49,776	-131,244	-15,160	-52,136	-22,419	-114,861
Gross Additions to Nuclear Fuel	0	0	0	0	0	-348
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	0	0	0	0	0	-207
Less: Allowance for Other Funds						
Used During Construction	0	-1,595	-28	-163	-373	-1,681
Other	0	0	0	0	-4,712	0
Cash Outflows For Plant	-49,776	-129,649	-15,132	-51,973	-26,757	-113,735
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	150	0	0	1,373	0	0
Investments in & Adv to Assoc & Sub Co	0	0	0	0	21	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	5
Purchase of Investment Securities	2,126	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	176	0	0	0	2,831	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	13,070
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	0	0	0	0	-1,582
Net Cash Provided by (Used in) Investing Activities	-51,576	-129,649	-15,132	-50,600	-23,905	-102,243
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	30,000	0	0	50,000	15,000	20,000
Preferred Stock	0	0	0	0	15,000	0
Common Stock	325	0	0	0	0	54,426
Other	0	383,266	0	0	0	0
Net Increase in Short-term Debt	0	0	0	0	7,000	0
Other	0	0	0	0	0	22,250
Cash Provided by Outside Sources	30,325	383,266	0	50,000	37,000	96,676
Payment for Retirement of						
Long-term Debt	6,447	419,860	0	62,880	7,600	0
Preferred Stock	21,674	97,200	750	0	0	535
Common Stock	0	0	0	0	0	8,375
Other	-1,325	40,084	0	0	0	20,034
Net Decrease in Short-term Debt	-3,825	0	0	-11,152	0	0
Dividends on Preferred Stock	1,666	41,120	4,782	3,509	266	3,197
Dividends on Common Stock	27,078	69,218	0	93,600	5,163	35,839
Net Cash Provided by Financing Activities	-29,039	-284,216	-5,532	-121,141	23,972	28,696
Net Increase (Decrease) in Cash and Cash Equivalents	1,804	-166,958	23,144	339	-580	-3,744
Cash and Cash Equivalents at Beginning of Year	3,039	278,576	12,236	289	1,618	595
Cash and Cash Equivalents at End of Year	4,843	111,618	35,380	628	1,038	-3,149

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Maine Maine Electric Power Co Inc	Maine Maine Public Service Co	Maine Maine Yankee Atomic Power Co	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co
Net Cash Flow from Operating Activities						
Net Income	106	5,405	9,021	276,291	83,104	-16,136
Noncash Charges (Credits) to Income						
Depreciation and Depletion	952	1,650	22,124	161,287	44,342	106,727
Amortization	38	1,980	33,083	4,719	297	47,153
Deferred Income Taxes (Net)	-166	2,911	-4,817	92,284	-4,060	-9,893
Investment Tax Credit Adjustment (Net)	-27	110	288	-1,399	-2,147	-4,232
Net (Increase) Decrease in Receivables	2,929	-724	5,939	-45,944	-1,770	-27,515
Net (Increase) Decrease in Inventory	0	224	-2,930	-5,075	-3,127	-1,536
Net Inc (Dec) in Payables & Accrued Exp	0	-436	-10,352	148,681	2,343	5,501
Less: Allowance for Other Funds						
Used During Construction	2,862	281	101	18,564	1,296	1,362
Less: Undistributed Earnings - Sub Co	1	0	0	24,626	-3,509	-1,692
Other	-82	3,406	-3,925	-262,641	792	143,774
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	886	14,247	48,328	325,014	121,987	244,172
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-3,059	-4,692	-13,765	-367,569	-98,994	-242,354
Gross Additions to Nuclear Plant	0	0	-14,125	-17,431	0	-4,062
Gross Additions to Common Utility Plant	0	0	0	-78,670	0	0
Gross Additions to Nonutility Plant	0	0	0	-1,101	-1,516	0
Less: Allowance for Other Funds						
Used During Construction	0	0	-101	-18,564	-1,296	-1,362
Other	1,082	0	0	-19,939	-3,500	0
Cash Outflows for Plant	-1,976	-4,692	-27,789	-466,145	-102,714	-245,054
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	0	10,497
Investments in & Adv to Assoc & Sub Co	0	0	0	0	0	-10,867
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	-12	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	6,995
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	2,166	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	5,503	0	0	0
Other	0	0	-22,255	0	0	0
Net Cash Provided by (Used in) Investing Activities	-1,976	-4,704	-42,375	-466,145	-102,714	-252,418
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	0	0	223,106	65,000	0
Preferred Stock	0	0	0	100,000	0	0
Common Stock	0	1	0	31,306	0	10,943
Other	0	0	0	0	0	0
Net Increase in Short-term Debt	0	4,000	3,500	45,250	42,497	99,260
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	0	4,001	3,500	399,662	107,497	110,203
Payment for Retirement of						
Long-term Debt	0	10,064	411	46,050	60,000	16,270
Preferred Stock	0	536	0	6,800	75	0
Common Stock	208	0	0	0	0	0
Other	-1,860	145	0	0	0	0
Net Decrease in Short-term Debt	0	0	0	0	0	0
Dividends on Preferred Stock	0	355	559	32,381	6,480	17,653
Dividends on Common Stock	106	2,938	8,400	166,067	45,107	69,431
Net Cash Provided by Financing Activities	1,547	-10,037	-5,870	148,364	-4,166	6,850
Net Increase (Decrease) in Cash and Cash Equivalents	457	-495	84	7,232	15,107	-1,396
Cash and Cash Equivalents at Beginning of Year	621	826	466	5,296	184	3,235
Cash and Cash Equivalents at End of Year	1,077	331	551	12,528	15,291	1,839

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Massachusetts Cambridge Electric Light Co	Massachusetts Canal Electric Co	Massachusetts Commonwealth Electric Co	Massachusetts Eastern Edison Co	Massachusetts Fitchburg Gas & Electric Light Co	Massachusetts Holyoke Water Power Co
Net Cash Flow from Operating Activities						
Net income	1,911	13,850	11,214	35,101	3,142	3,371
Noncash Charges (Credits) to Income						
Depreciation and Depletion	2,903	7,772	12,618	7,485	2,320	1,662
Amortization	623	29	8,190	4,291	1,624	40
Deferred Income Taxes (Net)	-95	702	-325	-3,092	1,977	-267
Investment Tax Credit Adjustment (Net)	-3,203	-236	-18,748	-484	0	-121
Net (Increase) Decrease in Receivables	-696	-8,213	-1,291	-8,675	-4,358	973
Net (Increase) Decrease in Inventory	-1,684	-127	11,085	-82	-461	-435
Net Inc (Dec) in Payables & Accrued Exp	-143	8,727	0	8,650	1,262	358
Less: Allowance for Other Funds Used During Construction	-95	5,405	5	264	0	47
Less: Undistributed Earnings Sub Co	551	-9,936	-1,042	15,359	0	-156
Other	0	0	-14,095	2,864	541	281
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	-840	27,036	9,695	30,433	6,046	5,971
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant (Less Nuclear Fuel)	-18,661	-18,138	-40,859	-13,746	-4,116	-2,291
Gross Additions to Nuclear Fuel	0	-607	0	0	0	0
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	25	0	0	0	0	0
Less: Allowance for Other Funds Used During Construction	-143	-5,405	0	-264	0	-47
Other	-382	15	-1,735	0	0	0
Cash Outflows For Plant	-18,875	-13,325	-42,594	-13,482	-4,116	-2,244
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	0	0
Investments in & Adv to Assoc & Sub Co	0	-3,359	0	0	0	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Inc) (Dec) in Receivables	0	0	0	0	0	435
Net (Increase) Decrease in Inventory	0	0	0	0	0	-10
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	-224
Other	0	0	0	0	0	0
Net Cash Provided by (Used in) Investing Activities	-18,875	-16,684	-42,594	-13,482	-4,116	-2,043
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	20,000	0	45,000	0	0	0
Preferred Stock	0	0	0	0	0	0
Common Stock	13,000	0	40,000	0	0	0
Other	0	0	0	0	0	0
Net Increase in Short-term Debt	-8,825	5,450	0	12,207	0	0
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	24,175	5,450	85,000	12,207	0	0
Payment for Retirement of						
Long-term Debt	2,747	1,325	737	0	155	880
Preferred Stock	0	0	0	0	111	0
Common Stock	0	0	0	0	0	0
Other	0	0	0	-82	170	69
Net Decrease in Short-term Debt	0	-15,275	-42,610	0	375	0
Dividends on Preferred Stock	0	0	0	3,843	210	0
Dividends on Common Stock	1,904	0	9,549	28,954	2,490	2,226
Net Cash Provided by Financing Activities	19,524	-11,150	32,104	-20,508	-2,761	-3,175
Net Increase (Decrease) in Cash and Cash Equivalents	-190	-798	-805	-3,557	-831	752
Cash and Cash Equivalents at Beginning of Year	192	804	818	3,599	1,627	203
Cash and Cash Equivalents at End of Year	2	6	13	43	796	956

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts Massachusetts Electric Co	Massachusetts Montauk Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
Net Cash Flow from Operating Activities						
Net Income	14,011	29,482	130,662	38,578	2,447	352,126
Noncash Charges (Credits) to Income						
Depreciation and Depletion	33,200	9,795	50,268	31,817	5,595	183,007
Amortization	0	3,567	55,630	53,237	20,187	60,571
Deferred Income Taxes (Net)	-438	2,683	11,849	11,069	-1,782	149,247
Investment Tax Credit Adjustment (Net)	-1,412	-992	950	-1,168	-522	4,198
Net (Increase) Decrease in Receivables	-22,825	-12,164	-35,068	3,521	6,244	-18,114
Net (Increase) Decrease in Inventory	-6,251	-1,132	98	-1,556	0	24,017
Net Inc (Dec) in Payables & Accrued Exp	5,386	5,852	-23,005	90	-1,308	41,837
Less: Allowance for Other Funds						
Used During Construction	0	11,486	1,735	62	0	0
Less: Undistributed Earnings - Sub Co	0	587	715	335	0	-1,150
Other	-6,974	8,505	-1,367	-28,686	74	24,624
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	14,697	33,524	196,536	106,403	30,935	822,663
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant	-95,873	-26,882	-139,112	-48,441	-7,075	-208,263
(Loss Nuclear Fuel)	0	890	-1,582	-3,469	-3,377	-2,059
Gross Additions to Nuclear Fuel	0	0	0	0	0	-16,077
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	0	0	0	0	0	0
Less: Allowance for Other Funds						
Used During Construction	0	-11,486	-1,735	-62	0	0
Other	0	2,466	0	0	-8,444	0
Cash Outflows For Plant	-95,873	-11,940	-138,959	-51,848	-18,896	-226,399
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	0	13,132
Investments in & Adv to Assoc & Sub Co	0	-3,588	0	0	0	-180,840
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	55,652
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	6,873	0	0
Net (Increase) Decrease in Inventory	0	0	0	-342	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	5	0	0
Other	0	0	0	0	-333	-13,477
Net Cash Provided by (Used in) Investing Activities	-95,873	-15,528	-138,959	-45,311	-19,229	-463,236
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	50,000	0	17,100	0	0	936,642
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	0	0
Other	40,000	0	0	5,360	0	0
Net Increase in Short-term Debt	8,409	-3,768	0	12,000	-965	0
Other	0	0	25,675	0	0	0
Cash Provided by Outside Sources	98,409	-3,768	42,775	17,360	-965	936,642
Payment for Retirement of						
Long-term Debt	750	3,827	491	28,998	8,328	1,157,326
Preferred Stock	0	0	0	0	0	118,643
Common Stock	0	0	0	0	0	0
Other	0	123	0	19,144	0	24,166
Net Decrease in Short-term Debt	0	0	0	0	0	-66,404
Dividends on Preferred Stock	3,428	182	5,591	9,244	0	21,212
Dividends on Common Stock	13,190	10,116	103,198	28,974	2,424	0
Net Cash Provided by Financing Activities	81,041	-18,015	-66,506	-69,000	-11,717	-451,109
Net Increase (Decrease) in Cash and Cash Equivalents	-135	-18	-8,898	-7,908	-10	-91,682
Cash and Cash Equivalents at Beginning of Year	1,981	129	9,207	8,025	121	113,092
Cash and Cash Equivalents at End of Year	1,847	111	309	116	111	21,410

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Thousand Dollars)**

	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
Item	Detroit Edison Co	Edison Sault Electric Co	Michigan Power Co	Upper Peninsula Power Co	Minnesota Power & Light Co	Northern States Power Co
Net Cash Flow from Operating Activities						
Net Income	425,951	1,522	2,092	4,021	68,864	221,957
Noncash Charges (Credits) to Income						
Depreciation and Depletion	363,237	1,716	1,896	4,424	29,005	197,356
Amortization	-130,969	143	0	373	244	46,715
Deferred Income Taxes (Net)	71,834	72	127	224	528	-1,101
Investment Tax Credit Adjustment (Net)	14,329	-73	-148	-183	-1,518	-13,895
Net (Increase) Decrease in Receivables	-55,792	-518	103	-52	-7,787	-33,427
Net (Increase) Decrease in Inventory	59,383	87	42	-111	-2,866	-24,885
Net Inc (Dec) in Payables & Accrued Exp	23,178	216	-169	1,583	-26	59,755
Less: Allowance for Other Funds						
Used During Construction	0	0	9	3	82	3,270
Less: Undistributed Earnings - Sub Co	-1,266	0	0	0	43,706	37,288
Other	144,761	-259	-2,513	1,053	14,640	12,628
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	917,178	2,908	1,421	11,329	77,298	424,545
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-239,712	-3,900	-3,543	-5,747	-29,908	-200,697
Gross Additions to Nuclear Fuel	-2,589	0	0	0	0	-48,593
Gross Additions to Common Utility Plant	0	0	0	0	0	-9,840
Gross Additions to Nonutility Plant	-333	0	0	0	0	-4,458
Less: Allowance for Other Funds						
Used During Construction	0	0	-9	-21	82	-3,270
Other	0	-21	0	0	0	0
Cash Outflows For Plant	-242,634	-3,922	-3,533	-5,725	-29,990	-260,317
Acquisition of Other Noncurrent Assets	0	60	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	80	0	0	0	0
Investments in & Adv to Assoc & Sub Co	-1,566	0	0	0	-7,320	-1,239
Contributions and Adv from Assoc & Sub Co	0	858	0	0	1,600	18,274
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	-17,039
Purchase of Investment Securities	0	0	0	0	397,033	0
Proceeds from Sales of Investment Securities	0	0	0	0	408,828	40,906
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	1,309	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	1,784	0	0	0	0	6,382
Other	-19,551	0	0	723	0	-9,420
Net Cash Provided by (Used in) Investing Activities	-260,657	-3,045	-3,533	-5,002	-23,915	-222,454
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	346,506	5,969	0	491	0	172,533
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	3,095	0
Other	217,657	0	0	0	0	19,225
Net Increase in Short-term Debt	0	2,865	2,675	0	6,197	0
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	564,163	8,834	2,675	491	9,292	191,758
Payment for Retirement of						
Long-term Debt	679,265	221	0	771	2,443	161,461
Preferred Stock	16,250	0	0	70	1,999	50,000
Common Stock	0	0	0	0	0	0
Other	0	0	0	0	0	15,365
Net Decrease in Short-term Debt	-229,325	-6,706	0	-1,850	0	0
Dividends on Preferred Stock	37,391	0	0	252	4,724	19,507
Dividends on Common Stock	246,633	1,026	1,488	3,522	51,707	135,715
Net Cash Provided by Financing Activities	-644,701	882	1,187	-5,974	-51,582	-190,290
Net Increase (Decrease) in Cash and Cash Equivalents	11,820	745	-925	353	1,802	11,801
Cash and Cash Equivalents at Beginning of Year	2,658	231	1,426	589	11,520	24,825
Cash and Cash Equivalents at End of Year	14,478	976	502	942	13,321	36,626

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 38. Statement of Cash Flows by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Minnesota Otter Tail Power Co	Mississippi Mississippi Power & Light Co	Mississippi Mississippi Power Co	Mississippi System Energy Resources Inc	Missouri Empire District Electric Co	Missouri Kansas City Power & Light Co
Net Cash Flow from Operating Activities						
Net Income	25,266	12,419	42,026	-641,405	17,347	108,618
Noncash Charges (Credits) to Income:						
Depreciation and Depletion	18,243	36,958	31,531	85,582	13,718	85,118
Amortization	809	268	4,347	17,259	0	13,259
Deferred Income Taxes (Net)	2,474	-8,636	-294	96,401	2,654	35,600
Investment Tax Credit Adjustment (Net)	-1,230	-1,523	-38	-14,321	-639	7,894
Net (Increase) Decrease in Receivables	241	-36,064	-18,506	14,076	634	36,229
Net (Increase) Decrease in Inventory	-274	-3,000	3,687	-26,500	-1,979	260
Net Inc (Dec) in Payables & Accrued Exp	2,367	7,378	2,255	-8,364	76	-10,050
Less: Allowance for Other Funds						
Used During Construction	251	787	903	-42,015	501	235
Less: Undistributed Earnings - Sub Co	0	0	0	0	0	-2,135
Other	-743	-6,589	4,307	791,083	-2,873	-5,391
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	46,902	424	68,410	355,828	28,437	273,437
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-19,365	-51,663	-43,916	-28,153	-40,633	-88,191
Gross Additions to Nuclear Fuel	0	0	0	-26,672	0	-16,908
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	0	0	361	0	0	0
Less: Allowance for Other Funds						
Used During Construction	-251	-787	-903	42,015	-501	-235
Other	0	0	1,821	-7,175	0	0
Cash Outflows For Plant	-19,114	-50,876	-40,831	-104,015	-40,132	-104,864
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	1,365	0	0	0	0	0
Investments in & Adv to Assoc & Sub Co	-338	0	0	0	0	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	-599	0	0	0	0	0
Purchase of Investment Securities	55	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	-276	0	0	0	-252	0
Net Inc (Dec) in Payables & Accr Exp	843	0	0	0	-81	0
Other	0	0	0	0	0	-3,142
Net Cash Provided by (Used in) Investing Activities	-18,174	-50,876	-40,831	-104,015	-40,464	-108,006
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	100,000	0	0	30,000	566
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	4,040	0
Other	0	0	845	44,198	-1,407	18,000
Net Increase in Short-term Debt	0	0	0	0	4,000	0
Other	0	4,700	6,457	0	0	-2
Cash Provided by Outside Sources	0	104,700	7,302	44,198	36,633	18,564
Payment for Retirement of						
Long-term Debt	2,690	65,325	3,804	487,697	17,003	92,910
Preferred Stock	1,110	9,730	750	0	1,000	110
Common Stock	3,950	0	0	0	0	0
Other	0	4,927	0	0	0	0
Net Decrease in Short-term Debt	-15,000	0	0	0	0	-7,300
Dividends on Preferred Stock	2,206	12,452	3,450	0	583	6,357
Dividends on Common Stock	18,109	18,349	27,000	87,673	12,818	77,323
Net Cash Provided by Financing Activities	-43,066	-6,083	-33,703	-531,173	5,229	-165,437
Net Increase (Decrease) in Cash and Cash Equivalents	-14,338	-56,534	-6,123	-279,360	-6,795	-6
Cash and Cash Equivalents at Beginning of Year	15,716	60,109	11,966	529,019	8,535	144
Cash and Cash Equivalents at End of Year	1,378	3,574	5,842	249,659	1,737	138

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Missouri UtiliCorp United Inc	Montana Montana Power Co	Nevada Nevada Power Co	Nevada Sierra Pacific Power Co
Net Cash Flow from Operating Activities						
Net Income	10,678	285,604	48,314	74,411	51,467	52,140
Noncash Charges (Credits) to Income						
Depreciation and Depletion	7,783	190,479	36,567	41,933	27,792	35,824
Amortization	0	92,502	5,410	33,764	662	1,106
Deferred Income Taxes (Net)	1,015	46,183	1,483	-2,153	14,781	3,042
Investment Tax Credit Adjustment (Net)	-418	-7,013	-1,044	2,105	-1,618	-1,919
Net (Increase) Decrease in Receivables	-1,939	-27,609	-32,561	-2,206	2,896	-1,733
Net (Increase) Decrease in Inventory	-433	-23,684	-6,982	-1,875	1,689	0
Net Inc (Dec) in Payables & Accrued Exp	1,574	-36,507	24,968	8,434	-1,611	-1,253
Less: Allowance for Other Funds						
Used During Construction	113	2,656	0	1,914	4,693	0
Less: Undistributed Earnings - Sub Co	0	0	12,997	46,716	-2,140	0
Other	480	69,428	25,011	25,709	-49,638	2,961
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	18,625	586,728	88,167	131,493	43,868	90,167
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	0	-192,853	-80,279	-75,340	-126,102	-78,614
Gross Additions to Nuclear Fuel	0	-20,446	0	0	0	0
Gross Additions to Common Utility Plant	-12,720	0	-7,689	-5,218	0	-2,403
Gross Additions to Nonutility Plant	0	0	0	-1,655	0	0
Less: Allowance for Other Funds						
Used During Construction	-113	-2,956	0	-1,914	-4,693	0
Other	-542	0	0	0	1,892	457
Cash Outflows For Plant	-13,149	-210,643	-87,968	-80,300	-119,518	-80,561
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	0	0
Investments in & Adv to Assoc & Sub Co	0	0	3,372	-607	-8,142	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	10,497	0	112	-3,397	0	-1,751
Net Cash Provided by (Used in) Investing Activities	-2,652	-210,643	-84,484	-84,304	-127,660	-82,312
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	300,000	26,500	95,669	75,000	3,644
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	39,850	16,693	3,034	0
Other	0	76,956	0	17,848	950	11,005
Net Increase in Short-term Debt	0	0	900	0	0	0
Other	0	0	0	0	3,681	15,010
Cash Provided by Outside Sources	0	376,956	67,250	130,210	82,664	29,659
Payment for Retirement of						
Long-term Debt	4,040	337,539	31,127	91,389	7,172	976
Preferred Stock	0	114,356	0	0	264	0
Common Stock	5,544	0	516	0	0	0
Other	0	59,374	0	9,412	10,026	0
Net Decrease in Short-term Debt	0	-17,500	0	0	-5,011	-938
Dividends on Preferred Stock	0	18,066	5,713	3,790	3,275	4,361
Dividends on Common Stock	6,632	206,290	29,158	67,976	41,084	41,294
Net Cash Provided by Financing Activities	-16,216	-376,169	737	-42,357	15,832	-17,909
Net Increase (Decrease) in Cash and Cash Equivalents	-242	-84	4,420	4,833	-67,960	-10,054
Cash and Cash Equivalents at Beginning of Year	907	3,565	12,555	-594	68,081	11,800
Cash and Cash Equivalents at End of Year	664	3,481	15,975	4,239	121	1,746

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item	James River-NH Electric Inc	New England Electric Transmission Corp	Public Service Co of NH	Atlantic City Electric Co	Jersey Central Power & Light Co	Public Service Electric & Gas Co
Net Cash Flow from Operating Activities						
Net Income	103	1,504	-934,002	91,743	131,902	544,375
Noncash Charges (Credits) to Income						
Depreciation and Depletion	854	4,775	32,913	58,788	114,191	410,373
Amortization	0	570	2,569	4,420	3,367	121,170
Deferred Income Taxes (Net)	191	115	-65,633	6,724	23,615	42,240
Investment Tax Credit Adjustment (Net)	0	0	-574	-2,449	-6,056	-24,108
Net (Increase) Decrease in Receivables	0	-139	-6,037	-16,685	-27,480	-97,973
Net (Increase) Decrease in Inventory	16	0	-11,474	-11,211	-10,065	-51,343
Net Inc (Dec) in Payables & Accrued Exp	3,735	0	43,917	26,104	14,944	117,798
Less: Allowance for Other Funds						
Used During Construction	0	48	454	0	3,506	16,663
Less: Undistributed Earnings - Sub Co	0	0	0	0	0	-39
Other	0	0	274,894	-24,056	-23,823	36,096
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	4,900	6,777	-663,880	133,379	217,089	1,082,002
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-4,897	-80	-119,326	-147,886	-273,121	-565,891
Gross Additions to Nuclear Fuel	0	0	0	0	0	-67,434
Gross Additions to Common Utility Plant	0	0	0	0	0	-40,891
Gross Additions to Nonutility Plant	0	0	0	0	0	0
Less: Allowance for Other Funds						
Used During Construction	0	0	-454	0	-3,506	-16,663
Other	0	0	0	0	-640	13,333
Cash Outflows For Plant	-4,897	-80	-118,872	-147,886	-270,256	-644,218
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	1,702	-9,229	1,180	0
Investments in & Adv to Assoc & Sub Co	0	0	0	69,320	0	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	6,510
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	0	0	-8,225	0	-56,908
Net Cash Provided by (Used in) Investing Activities	-4,897	-80	-117,170	-96,020	-269,076	-707,637
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	0	162,500	132,183	183,803	99,535
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	0	0
Other	0	0	0	0	0	0
Net Increase in Short-term Debt	0	0	0	0	50,215	138,000
Other	0	0	0	7,539	0	0
Cash Provided by Outside Sources	0	0	162,500	139,722	234,018	237,535
Payment for Retirement of						
Long-term Debt	0	4,304	162,907	15,998	86,967	58,988
Preferred Stock	0	0	0	4,050	0	0
Common Stock	0	901	0	0	0	0
Other	0	0	0	0	24,912	557
Net Decrease in Short-term Debt	0	0	0	-61,000	0	0
Dividends on Preferred Stock	0	0	0	8,766	10,875	29,012
Dividends on Common Stock	0	1,428	0	62,396	60,000	525,000
Net Cash Provided by Financing Activities	0	-6,633	-407	-12,487	51,264	-376,023
Net Increase (Decrease) in Cash and Cash Equivalents	2	65	-781,457	24,871	-773	-1,658
Cash and Cash Equivalents at Beginning of Year	4	80	94,830	11,255	1,117	24,368
Cash and Cash Equivalents at End of Year	7	145	-686,626	36,126	394	22,711

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	New Jersey	New Mexico	New York	New York	New York	New York
Item	Rockland Electric Co.	Public Service Co. of NM	Central Hudson Gas & Electric Corp.	Consolidated Edison Co. NY Inc.	Long Island Lighting Co.	Long Sault Inc.
Net Cash Flow from Operating Activities						
Net Income	7,740	82,593	39,117	606,065	95,803	297
Noncash Charges (Credits) to Income						
Depreciation and Depletion	2,734	67,219	30,091	324,903	103,430	223
Amortization	1,850	10,788	10,215	2,885	119,682	0
Deferred Income Taxes (Net)	1,156	21,683	13,510	60,540	-1,033,928	2
Investment Tax Credit Adjustment (Net)	-479	-6,475	-1,200	-12,580	-18,096	0
Net (Increase) Decrease in Receivables	-194	20,685	-25,060	-109,795	-41,980	-20
Net (Increase) Decrease in Inventory	-460	0	-2,164	-29,785	-6,682	0
Net Inc (Dec) in Payables & Accrued Exp	1,977	-40,661	1,837	127,854	42,818	-8
Less: Allowance for Other Funds						
Used During Construction	9	2,909	463	9,823	1,167	0
Less: Undistributed Earnings - Sub Co	0	0	0	0	22	0
Other	-3,637	-30,427	-6,125	-90,880	1,172,337	0
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	8,365	122,496	59,758	863,614	240,589	493
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-8,632	-60,958	-32,462	-512,591	-339,316	-193
Gross Additions to Nuclear Fuel	0	-12,155	-2,541	-11,430	54,091	0
Gross Additions to Common Utility Plant	0	-2,759	-7,084	-104,873	-11,007	0
Gross Additions to Nonutility Plant	0	-463	0	0	0	0
Less: Allowance for Other Funds						
Used During Construction	-9	-2,909	-463	-9,823	1,167	0
Other	-51	0	0	0	21,136	0
Cash Outflows For Plant	-8,674	-73,425	-41,623	-619,071	-276,262	-193
Acquisition of Other Noncurrent Assets	0	11,542	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	6,199	0	0	0	0
Investments in & Adv to Assoc & Sub Co	691	0	-357	-39,242	-415	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	22	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	142,312	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	-454	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	-9	0	0	0
Other	0	0	-369	0	0	0
Net Cash Provided by (Used in) Investing Activities	-7,983	63,543	-42,813	-658,313	-276,656	-193
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	3,043	0	400,000	1,541,351	0
Preferred Stock	0	0	0	0	309,120	0
Common Stock	0	0	3,961	0	0	0
Other	2	0	0	0	0	0
Net Increase in Short-term Debt	800	33,880	0	0	0	0
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	802	36,923	3,961	400,000	1,850,471	0
Payment for Retirement of						
Long-term Debt	573	166,030	82	8,776	732,585	0
Preferred Stock	180	5,510	0	2,250	307,738	0
Common Stock	0	0	0	0	0	0
Other	0	0	0	0	0	0
Net Decrease in Short-term Debt	0	0	0	0	-498,519	0
Dividends on Preferred Stock	336	10,709	5,740	37,298	27,807	0
Dividends on Common Stock	0	16,015	25,747	392,282	0	300
Net Cash Provided by Financing Activities	-287	-181,341	-27,608	-40,605	283,822	-300
Net Increase (Decrease) in Cash and Cash Equivalents	95	4,698	-10,663	164,696	247,755	0
Cash and Cash Equivalents at Beginning of Year	559	374	23,502	179,149	92,549	0
Cash and Cash Equivalents at End of Year	654	5,072	12,839	343,845	340,304	0

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 38. Statement of Cash Flows by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
Net Cash Flow from Operating Activities						
Net Income	157,780	150,782	44,144	71,444	376,067	571,611
Noncash Charges (Credits) to Income						
Depreciation and Depletion	148,375	209,974	25,016	75,063	370,862	340,316
Amortization	21,017	20,767	189	-18,907	5,795	264,482
Deferred Income Taxes (Net)	22,274	89,953	4,377	20,272	23,912	67,378
Investment Tax Credit Adjustment (Net)	12,584	-9,116	-997	-425	-9,306	-6,950
Net (Increase) Decrease in Receivables	-5,653	23,308	-11,898	-17,071	-44,169	-63,561
Net (Increase) Decrease in Inventory	9,581	-34,898	-7,155	-6,669	-22,129	-66,252
Net Inc (Dec) in Payables & Accrued Exp	-15,683	59,410	5,249	21,370	55,570	82,580
Less: Allowance for Other Funds						
Used During Construction	594	10,085	6	4,286	772	61,347
Less: Undistributed Earnings - Sub Co	0	16,908	7,566	0	0	24,759
Other	2	-87,500	-2,508	-368	-15,060	7,056
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	349,692	395,686	48,844	140,422	740,770	1,111,461
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-166,465	-367,367	-46,106	-99,996	-265,489	-871,846
Gross Additions to Nuclear Fuel	-5,063	-18,646	0	-12,901	-56,202	-191,274
Gross Additions to Common Utility Plant	-20,494	-17,958	187	-12,038	0	0
Gross Additions to Nonutility Plant	0	0	0	0	0	-9,113
Less: Allowance for Other Funds						
Used During Construction	-594	-10,085	-6	-4,286	-772	-61,347
Other	0	-9,077	1,403	0	1,433	0
Cash Outflows For Plant	-191,428	-402,963	-44,510	-120,648	-319,486	-1,010,886
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	3,631	0	0	0	0
Investments in & Adv to Assoc & Sub Co	0	-12,936	0	923	0	-2,722
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	26,763
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	1,691	-23,265	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	727	14,852	0	0	0	11,885
Other	0	0	0	-1,844	0	0
Net Cash Provided by (Used in) Investing Activities	-189,010	-420,681	-44,510	-121,570	-319,486	-974,959
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	400,000	0	0	100,087	66,850
Preferred Stock	0	0	0	0	0	0
Common Stock	20,865	5,842	5,864	8,760	0	0
Other	0	0	0	0	26,702	130,000
Net Increase in Short-term Debt	43,600	0	26,650	0	-104,427	170,000
Other	0	0	0	-345	0	0
Cash Provided by Outside Sources	64,465	405,842	32,514	8,415	22,362	366,850
Payment for Retirement of						
Long-term Debt	191,879	98,652	390	37,833	107,995	141,693
Preferred Stock	4,650	27,980	1,578	0	24,000	8,025
Common Stock	0	0	0	0	0	0
Other	0	6,586	0	0	0	0
Net Decrease in Short-term Debt	0	-98,730	0	244	0	0
Dividends on Preferred Stock	13,165	45,182	3,823	6,025	32,020	52,477
Dividends on Common Stock	115,225	81,623	29,207	46,501	228,246	307,875
Net Cash Provided by Financing Activities	-260,454	47,088	-2,483	-81,700	-369,798	-143,219
Net Increase (Decrease) in Cash and Cash Equivalents	-99,772	22,094	1,852	-62,847	51,486	-6,718
Cash and Cash Equivalents at Beginning of Year	111,469	17,610	2,248	73,031	1,912	20,676
Cash and Cash Equivalents at End of Year	11,697	39,704	4,100	10,183	53,398	13,958

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	North Carolina Nantahala Power & Light Co	North Carolina Yadkin Inc	North Dakota MDU Resources Group Inc	Ohio Cincinnati Gas & Electric Co	Ohio Cleveland Electric Illum Co	Ohio Columbus Southern Power Co
Net Cash Flow from Operating Activities						
Net Income	2,683	781	36,740	239,693	250,223	113,376
Noncash Charges (Credits) to Income						
Depreciation and Depletion	3,386	1,232	19,818	83,473	199,846	53,784
Amortization	134	0	32	5,006	27,334	0
Deferred Income Taxes (Net)	-1,419	21	515	6,245	108,656	-3,793
Investment Tax Credit Adjustment (Net)	-136	-68	-1,438	6,694	-8,060	2,877
Net (Increase) Decrease in Receivables	12	1,759	-3,218	-41,498	-8,504	-6,403
Net (Increase) Decrease in Inventory	-114	0	-464	-12,894	-4,920	677
Net Inc (Dec) in Payables & Accrued Exp	-742	-1,616	-8,215	46,980	36,456	7,010
Less: Allowance for Other Funds						
Used During Construction	0	0	0	78,408	8,363	35,539
Less: Undistributed Earnings - Sub Co	0	0	19,377	2,870	579	400
Other	3,702	276	1,414	3,390	-319,356	20,638
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	7,506	2,386	25,808	255,813	272,734	152,227
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant (Less Nuclear Fuel)	-9,472	-2,386	-9,919	-407,906	-158,585	-218,780
Gross Additions to Nuclear Fuel	0	0	0	0	0	0
Gross Additions to Common Utility Plant	0	0	-3,180	-10,074	0	0
Gross Additions to Nonutility Plant	0	0	-37	0	-2,235	0
Less: Allowance for Other Funds						
Used During Construction	0	0	0	-78,408	7,449	-35,539
Other	0	0	81	1,302	0	0
Cash Outflows For Plant	-9,472	-2,386	-13,055	-338,269	-168,270	-183,241
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	1,155	-4,030	0	1,256
Investments in & Adv to Assoc & Sub Co	0	0	0	-741	-579	250
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	2,016	1,459	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	0	0	0	-4,870	0
Net Cash Provided by (Used in) Investing Activities	-9,472	-2,386	-9,885	-341,581	-173,718	-181,735
Cash Flows from Financing Activities						
Proceeds from Issuance of:						
Long-term Debt	741	0	0	135,180	320,200	0
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	29,327	0	0
Other	0	0	22,412	1	0	40,000
Net Increase in Short-term Debt	2,400	0	0	60,000	0	56,550
Other	0	0	0	0	90,229	0
Cash Provided by Outside Sources	3,141	0	22,412	224,508	410,429	96,350
Payment for Retirement of:						
Long-term Debt	1,412	0	7,621	0	285,477	85,477
Preferred Stock	0	0	500	1,500	20,264	11,986
Common Stock	0	0	0	0	0	0
Other	0	0	1,144	0	1,698	3,969
Net Decrease in Short-term Debt	0	0	0	0	-47,574	0
Dividends on Preferred Stock	0	0	856	20,260	40,784	11,951
Dividends on Common Stock	0	0	27,907	115,987	161,662	68,924
Net Cash Provided by Financing Activities	1,729	0	-15,616	86,761	-147,030	-85,958
Net Increase (Decrease) in Cash and Cash Equivalents	-237	0	306	993	-48,015	-115,465
Cash and Cash Equivalents at Beginning of Year	383	0	2,522	6,715	73,999	111,971
Cash and Cash Equivalents at End of Year	146	0	2,828	7,708	25,984	-3,495

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Ohio Dayton Power & Light Co	Ohio Indiana- Kentucky Electric Corp	Ohio Ohio Edison Co	Ohio Ohio Power Co	Ohio Ohio Valley Electric Corp	Ohio Toledo Edison Co
Net Cash Flow from Operating Activities						
Net Income	144,205	0	361,026	208,178	1,857	92,675
Noncash Charges (Credits) to Income						
Depreciation and Depletion	59,368	5,106	176,821	115,500	4,897	91,527
Amortization	0	152	59,158	-18,296	100	39,659
Deferred Income Taxes (Net)	23,497	0	63,425	15,673	68	79,199
Investment Tax Credit Adjustment (Net)	3,513	0	-29,181	-2,304	-586	-2,651
Net (Increase) Decrease in Receivables	-22,559	-10,770	82,734	-18,484	9,696	-8,470
Net (Increase) Decrease in Inventory	-14,464	10,965	893	26,651	3,853	1,890
Net Inc (Dec) in Payables & Accrued Exp	9,456	1,068	15,878	2,340	-16,171	-6,668
Less: Allowance for Other Funds						
Used During Construction	55,262	0	2,225	3,029	0	8,570
Less: Undistributed Earnings - Sub Co	0	0	-1,552	106	0	0
Other	15,342	-185	-240,238	-12,109	-2,706	-138,250
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	163,096	6,336	489,843	314,014	1,009	140,341
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-239,451	-4,536	-179,405	-141,811	-660	-65,296
Gross Additions to Nuclear Fuel	0	0	0	0	0	0
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	0	0	-450	0	0	0
Less: Allowance for Other Funds						
Used During Construction	-55,262	0	-2,225	-3,029	0	5,479
Other	0	3,265	0	0	285	-114,000
Cash Outflows For Plant	-184,189	-1,271	-177,630	-138,782	-375	-184,775
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	1,118	0	0
Investments in & Adv to Assoc & Sub Co	0	0	35,600	2,550	0	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	5,679	0	0	0
Proceeds from Sales of Investment Securities	0	0	-37,795	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	0	2,257	0	0	827
Net Cash Provided by (Used in) Investing Activities	-184,189	-1,271	-133,248	-135,113	-375	-183,948
Cash Flows from Financing Activities						
Proceeds from Issuance of:						
Long-term Debt	0	0	406,410	50,000	0	56,100
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	0	0
Other	0	-5,075	0	-1,374	-2,113	0
Net Increase in Short-term Debt	0	0	0	54,923	0	0
Other	0	0	-4,791	0	0	0
Cash Provided by Outside Sources	0	-5,075	401,619	103,549	-2,113	56,100
Payment for Retirement of:						
Long-term Debt	4,330	0	607,721	138,819	0	62,841
Preferred Stock	4,250	0	4,002	3,803	0	2,165
Common Stock	0	0	0	0	0	0
Other	-103,701	0	0	6,605	0	926
Net Decrease in Short-term Debt	0	0	0	0	0	-39,015
Dividends on Preferred Stock	10,510	0	28,202	18,112	0	25,457
Dividends on Common Stock	93,475	0	298,422	135,290	1,850	63,285
Net Cash Provided by Financing Activities	-8,865	-5,075	-536,727	-199,079	-3,963	-137,589
Net Increase (Decrease) in Cash and Cash Equivalents	-29,957	-9	-230,132	-20,179	-3,329	-181,196
Cash and Cash Equivalents at Beginning of Year	90,716	40	312,144	29,295	17,689	254,888
Cash and Cash Equivalents at End of Year	60,759	39	82,012	9,116	14,360	73,692

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma	Oregon Fale- Safe Inc	Oregon PacifiCorp	Oregon Portland General Electric Co	Oregon Warm Springs Power Enterprises
Net Cash Flow from Operating Activities						
Net Income	129,438	53,939	0	465,622	3,074	4,304
Noncash Charges (Credits) to Income						
Depreciation and Depletion	90,561	55,042	7	216,754	86,259	652
Amortization	1,331	3,568	0	10,986	4,328	0
Deferred Income Taxes (Net)	13,617	8,901	0	67,787	5,725	0
Investment Tax Credit Adjustment (Net)	-5,416	-2,796	0	-6,037	-2,076	0
Net (Increase) Decrease in Receivables	-18,258	-6,259	5,143	-9,470	-2,254	28
Net (Increase) Decrease in Inventory	-7,861	5,198	0	-24,678	-4,203	0
Net Inc (Dec) in Payables & Accrued Exp	-1,326	-7,786	1,881	-56,678	-3,341	66
Less: Allowance for Other Funds						
Used During Construction	2,121	558	0	10,515	1,946	0
Less: Undistributed Earnings - Sub Co	912	0	0	108,762	468	0
Other	-15,794	-10,909	224	-26,517	114,329	12
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in)						
Operating Activities	183,460	98,339	7,256	518,491	199,426	5,062
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-105,901	-78,149	-232	-334,969	-109,378	-2
Gross Additions to Nuclear Fuel	0	0	0	-355	-11,657	0
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	0	0	0	-15	-1,214	0
Less: Allowance for Other Funds						
Used During Construction	-2,121	-558	0	-10,515	-1,946	0
Other	0	-2,691	0	0	0	-169
Cash Outflows For Plant	-103,780	-80,282	-232	-324,825	-120,302	-171
Acquisition of Other Noncurrent Assets	0	0	0	0	7,349	255
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	0	-1,088
Investments in & Adv to Assoc & Sub Co	0	0	0	1,553	-476	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	0	0	6,211	0	0
Net Cash Provided by (Used in)						
Investing Activities	-103,780	-80,282	-232	-317,062	-128,127	-1,513
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	0	0	154,761	0	0
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	22,244	0	0
Other	0	0	0	0	0	0
Net Increase in Short-term Debt	0	35,631	0	35,121	0	0
Other	0	0	0	-70,393	0	0
Cash Provided by Outside Sources	0	35,631	0	141,732	0	0
Payment for Retirement of						
Long-term Debt	7,140	0	0	86,827	6,953	448
Preferred Stock	0	0	0	10,232	1,800	0
Common Stock	0	0	0	22,035	0	0
Other	41,516	0	0	0	0	0
Net Decrease in Short-term Debt	13,500	0	0	0	41,300	0
Dividends on Preferred Stock	2,516	816	0	21,780	13,232	0
Dividends on Common Stock	99,740	53,001	1	331,288	90,635	3,100
Net Cash Provided by Financing Activities	-137,413	-18,185	-1	-330,431	-71,321	-3,548
Net Increase (Decrease) in Cash and Cash Equivalents	-57,933	-127	7,023	-129,001	-22	1
Cash and Cash Equivalents at Beginning of Year	58,521	633	1,913	123,281	3,387	0
Cash and Cash Equivalents at End of Year	587	505	8,937	-5,720	3,366	1

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others"

Table 38. Statement of Cash Flows by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Pennsylvania Duquesne Light Co	Pennsylvania Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Pennsylvania Philadelphia Electric Co
Net Cash Flow from Operating Activities						
Net income	129,437	90,164	104,488	353,436	34,660	590,407
Noncash Charges (Credits) to Income:						
Depreciation and Depletion	104,588	66,771	83,537	198,732	28,452	273,485
Amortization	45,802	24,127	0	0	9,067	48,245
Deferred income Taxes (Net)	67,048	13,708	13,041	84,056	21,043	93,625
Investment Tax Credit Adjustment (Net)	-6,922	-3,069	-2,922	14,217	-1,172	-30,627
Net (Increase) Decrease in Receivables	118,688	-32,806	-32,937	3,198	-3,825	-83,172
Net (Increase) Decrease in Inventory	-8,712	3,045	-61	5,767	-521	-17,701
Net Inc (Dec) in Payables & Accrued Exp	-1,819	17,218	23,025	8,883	7,250	58,229
Less: Allowance for Other Funds						
Used During Construction	68	2,456	2,847	2,728	428	121,770
Less: Undistributed Earnings - Sub Co	-165	651	21	106	0	4,460
Other	-87,421	-28,365	-3,591	-38,794	-39,308	-10,714
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	360,786	147,686	181,712	626,662	55,218	795,546
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-85,237	-112,080	-102,083	-279,765	-28,087	-892,884
Gross Additions to Nuclear Fuel	0	2,675	-33	-20,399	0	-102,096
Gross Additions to Common Utility Plant	0	0	0	0	0	-4,057
Gross Additions to Nonutility Plant	-284	0	0	0	0	-3,286
Less: Allowance for Other Funds						
Used During Construction	-68	-2,456	-2,847	-2,728	-428	-121,770
Other	0	0	0	0	0	-13,919
Cash Outflows For Plant	-88,453	-106,950	-99,268	-297,436	-27,659	-894,472
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	31,809	0	9,088
Investments in & Adv to Assoc & Sub Co	483	-50	0	260	0	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	-1,000
Purchase of Investment Securities	0	0	0	0	932	0
Proceeds from Sales of Investment Securities	201	0	0	2,831	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	2,725	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	-2,502	0	0	0	0
Other	-3,175	0	1,342	-2,880	-812	0
Net Cash Provided by (Used in) Investing Activities	-90,944	-109,502	-95,201	-265,396	-29,402	-886,383
Cash Flows from Financing Activities						
Proceeds from Issuance of:						
Long-term Debt	13,500	0	99,463	375,000	20,000	597,000
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	6,884	0	117,801
Other	0	0	0	0	0	225,193
Net Increase in Short-term Debt	0	0	0	0	37,000	0
Other	0	0	0	-5,095	-316	0
Cash Provided by Outside Sources	13,500	0	99,463	376,789	56,684	939,993
Payment for Retirement of:						
Long-term Debt	48,686	1,742	55,298	342,900	35,433	339,387
Preferred Stock	24,826	0	0	28,300	4,540	17,034
Common Stock	44,591	0	0	0	0	0
Other	8,758	18,781	0	22,463	0	-8,146
Net Decrease in Short-term Debt	-173	0	-22,636	-83,000	0	66,800
Dividends on Preferred Stock	16,793	10,289	8,814	49,021	10,656	96,448
Dividends on Common Stock	105,356	80,000	100,000	213,380	27,676	459,549
Net Cash Provided by Financing Activities	-235,682	-110,812	-87,285	-362,275	-21,621	102,521
Net Increase (Decrease) in Cash and Cash Equivalents	34,160	-72,627	-775	-1,009	4,194	11,684
Cash and Cash Equivalents at Beginning of Year	45,507	80,816	1,615	5,626	4,669	28,163
Cash and Cash Equivalents at End of Year	79,667	8,189	840	4,616	8,864	39,847

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania Safe Harbor Water Power Corp	Pennsylvania Susquehanna Electric Co	Pennsylvania UGI Corp	Pennsylvania West Penn Power Co	Pennsylvania York Haven Power Co	Rhode Island Blackstone Valley Electric Co
Net Cash Flow from Operating Activities						
Net Income	7,764	-2	36,369	109,949	651	-360
Noncash Charges (Credits) to Income:						
Depreciation and Depletion	3,314	0	13,878	62,428	373	3,487
Amortization	25	0	100	0	0	100
Deferred Income Taxes (Net)	2,015	0	6,443	332	37	875
Investment Tax Credit Adjustment (Net)	702	0	-465	-2,558	-3	-224
Net (increase) Decrease in Receivables	56	538	-11,334	-8,420	-3	-2,912
Net (increase) Decrease in Inventory	6	12	2,463	-3,842	0	-287
Net Inc (Dec) in Payables & Accrued Exp	81	-565	15,148	-831	-58	3,483
Less: Allowance for Other Funds Used During Construction	1	0	53	1,925	35	179
Less: Undistributed Earnings - Sub Co	0	0	14,901	-5,602	0	0
Other	300	-69	-20,166	-7,402	8	474
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	11,262	-1,162	27,482	153,333	970	4,456
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant (Less Nuclear Fuel)	-325	0	-39,930	-106,868	-1,337	-6,539
Gross Additions to Nuclear Fuel	0	0	0	0	0	0
Gross Additions to Common Utility Plant	0	0	-508	0	0	0
Gross Additions to Nonutility Plant	0	0	0	-13	0	0
Less: Allowance for Other Funds Used During Construction	-1	0	0	-1,925	-35	-179
Other	0	0	-643	-5,921	0	0
Cash Outflows For Plant	-324	0	-41,081	-110,876	-1,302	-6,360
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	0	0
Investments in & Adv to Assoc & Sub Co	0	0	-71,570	0	0	0
Contributions and Adv from Assoc & Sub Co	0	0	66,460	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	1,144	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (increase) Decrease in Receivables	0	0	0	0	0	0
Net (increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	0	0	0	0	0
Net Cash Provided by (Used in) Investing Activities	-324	0	-45,047	-110,876	-1,302	-6,360
Cash Flows from Financing Activities						
Proceeds from Issuance of:						
Long-term Debt	0	0	47,750	30,000	0	15,000
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	4,580	0	0	0
Other	0	0	0	0	0	-277
Net Increase in Short-term Debt	0	0	0	32,506	0	0
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	0	0	52,330	62,506	0	14,723
Payment for Retirement of:						
Long-term Debt	0	0	5,149	30,000	0	3,000
Preferred Stock	0	0	21	0	0	0
Common Stock	0	0	58	0	0	0
Other	0	0	0	0	-50	0
Net Decrease in Short-term Debt	0	0	-7,100	0	0	-7,544
Dividends on Preferred Stock	0	0	3,188	7,136	0	289
Dividends on Common Stock	7,713	0	21,809	75,250	0	1,710
Net Cash Provided by Financing Activities	-7,713	0	15,005	-49,880	50	2,181
Net Increase (Decrease) in Cash and Cash Equivalents	6,226	-1,162	-2,560	-7,425	-282	277
Cash and Cash Equivalents at Beginning of Year	6,291	1,719	-1,497	50,209	676	481
Cash and Cash Equivalents at End of Year	12,516	557	-4,057	42,786	394	758

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

	Rhode Island	Rhode Island	South Carolina	South Carolina	South Carolina	South Dakota
Item	Narragansett Electric Co	Newport Electric Corp	Lockhart Power Co	South Carolina Electric & Gas Co	South Carolina Generating Co Inc	Black Hills Corp
Net Cash Flow from Operating Activities						
Net Income	10,582	1,004	713	113,673	3,037	21,096
Noncash Charges (Credits) to Income:						
Depreciation and Depletion	15,500	1,949	495	87,499	6,058	6,687
Amortization	0	12	0	4,996	0	71
Deferred Income Taxes (Net)	-2,509	457	45	22,475	3,294	1,178
Investment Tax Credit Adjustment (Net)	-536	-86	-19	-3,881	-305	-512
Net (Increase) Decrease in Receivables	-5,558	2,032	16	-17,306	766	138
Net (Increase) Decrease in Inventory	-481	-46	-9	-11,455	3,877	-504
Net Inc (Dec) in Payables & Accrued Exp	16,204	-1,386	-128	54,362	154	-453
Less: Allowance for Other Funds						
Used During Construction	0	125	0	1,931	22	41
Less: Undistributed Earnings - Sub Co	0	0	0	0	0	3,035
Other	-1,502	-27	58	-1,632	5,529	-196
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	31,700	3,784	1,171	246,799	22,388	24,428
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant (Less Nuclear Fuel)	-43,302	-4,937	-2,060	-156,954	-1,867	-8,805
Gross Additions to Nuclear Fuel	0	0	0	-17,115	0	0
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	0	0	-25	0	0	0
Less: Allowance for Other Funds						
Used During Construction	0	-125	0	-1,931	-22	-41
Other	0	0	0	0	0	0
Cash Outflows For Plant	-43,302	-4,813	-2,085	-172,138	-1,845	-8,764
Acquisition of Other Noncurrent Assets	0	0	0	0	0	62
Proceeds from Disposal of Noncurrent Assets	0	118	0	-806	0	115
Investments in & Adv to Assoc & Sub Co	0	0	0	0	-15,000	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	-82
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	-2,000	0	0	0	0
Net Cash Provided by (Used in) Investing Activities	-43,302	-6,695	-2,085	-172,944	-16,845	-8,793
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	10,400	0	75,000	0	84
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	0	0
Other	20,000	-159	0	0	0	0
Net Increase in Short-term Debt	1,425	0	0	0	0	0
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	21,425	10,241	0	75,000	0	84
Payment for Retirement of						
Long-term Debt	0	6,066	0	695	3,000	880
Preferred Stock	0	39	0	9,207	0	0
Common Stock	0	0	0	0	0	0
Other	0	35	0	16,123	0	0
Net Decrease in Short-term Debt	0	0	0	-29,015	0	0
Dividends on Preferred Stock	1,553	94	0	7,442	0	0
Dividends on Common Stock	8,097	1,415	0	87,000	3,500	13,857
Net Cash Provided by Financing Activities	11,775	2,592	0	-74,482	-6,500	-14,654
Net Increase (Decrease) in Cash and Cash Equivalents	173	-319	-914	-627	-957	982
Cash and Cash Equivalents at Beginning of Year	504	817	1,581	833	1,026	3,453
Cash and Cash Equivalents at End of Year	676	498	667	206	69	4,434

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	South Dakota Northwestern Public Service Co	Tennessee Kingsport Power Co	Tennessee Tapoco Inc	Texas Central Power & Light Co	Texas El Paso Electric Co	Texas Gulf States Utilities Co
Net Cash Flow from Operating Activities						
Net Income	16,035	2,061	-8,255	291,907	-105,834	-45,573
Noncash Charges (Credits) to Income:						
Depreciation and Depletion	9,876	1,683	1,182	118,760	34,282	175,120
Amortization	103	0	0	11,636	12,635	41,387
Deferred Income Taxes (Net)	2,611	-94	-30	202,986	33,024	51,204
Investment Tax Credit Adjustment (Net)	-638	-337	-48	-5,619	-16,684	-4,424
Net (Increase) Decrease in Receivables	-1,022	-28	-1,130	-18,116	-76	-16,292
Net (Increase) Decrease in Inventory	-1,326	-311	0	-6,755	-33,198	2,134
Net Inc (Dec) in Payables & Accrued Exp	1,466	496	514	10,874	15,097	-12,863
Less: Allowance for Other Funds						
Used During Construction	-2,637	0	0	24,923	12,578	875
Less: Undistributed Earnings - Sub Co	0	0	0	0	0	-20,074
Other	174	500	-13	-481,373	88,096	17,870
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in)						
Operating Activities	29,915	3,969	-8,057	99,377	14,764	227,762
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-11,585	-2,647	-2,139	-137,114	-133,033	-54,679
Gross Additions to Nuclear Fuel	0	0	0	-4,608	-5,189	-20,209
Gross Additions to Common Utility Plant	-881	0	0	0	0	0
Gross Additions to Nonutility Plant	0	0	-4	0	-966	-110
Less: Allowance for Other Funds						
Used During Construction	-48	0	0	-24,923	-12,578	-875
Other	0	0	0	0	0	0
Cash Outflows For Plant	-12,417	-2,647	-2,143	-116,799	-126,611	-74,124
Acquisition of Other Noncurrent Assets	450	0	0	0	0	1,075
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	1,060	114,931
Investments in & Adv to Assoc & Sub Co	-1,500	0	0	0	0	0
Contributions and Adv from Assoc & Sub Co	0	0	10,200	0	1,121	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	-5,150
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	0	0	0	153	0
Net Cash Provided by (Used in)						
Investing Activities	-14,368	-2,647	8,057	-116,799	-124,267	34,582
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	7,500	0	0	150,000	15,358	3,505
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	1,409	0
Other	0	0	0	0	0	0
Net Increase in Short-term Debt	0	0	0	46,606	190,000	0
Other	0	0	0	4,746	0	0
Cash Provided by Outside Sources	7,500	0	0	201,352	206,767	3,505
Payment for Retirement of						
Long-term Debt	8,733	0	0	161,509	122,006	143,171
Preferred Stock	1,195	0	0	0	7,750	0
Common Stock	0	0	0	0	0	0
Other	0	0	0	0	0	27,553
Net Decrease in Short-term Debt	0	-400	0	0	-15,090	0
Dividends on Preferred Stock	484	0	0	24,576	11,812	0
Dividends on Common Stock	10,863	1,542	0	50,000	13,353	0
Net Cash Provided by Financing Activities	-13,775	-1,942	0	-34,734	36,847	-167,219
Net Increase (Decrease) in Cash and Cash						
Equivalents	1,773	-619	0	-52,156	-72,656	95,125
Cash and Cash Equivalents at						
Beginning of Year	2,091	1,485	1	53,995	101,026	102,394
Cash and Cash Equivalents at End of Year	3,864	866	1	1,839	28,370	197,518

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Texas Houston Lighting & Power Co	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Texas Utilities Electric Co	Texas Texas- New Mexico Power Co	Texas West Texas Utilities Co
Net Cash Flow from Operating Activities						
Net Income	481,760	3,116	124,877	886,176	15,315	37,347
Noncash Charges (Credits) to Income						
Depreciation and Depletion	303,927	2,590	55,572	240,466	15,973	27,174
Amortization	12,396	13	496	0	662	906
Deferred Income Taxes (Net)	100,988	205	11,551	14,429	3,581	6,960
Investment Tax Credit Adjustment (Net)	-31,082	-119	-612	26,090	-946	-1,657
Net (Increase) Decrease in Receivables	-13,182	-793	-4,778	141,437	311	-2,277
Net (Increase) Decrease in Inventory	-42,412	0	-2,549	16,729	22	150
Net Inc (Dec) in Payables & Accrued Exp	116,205	773	5,716	29,784	1,311	2,473
Less: Allowance for Other Funds						
Used During Construction	18,052	16	576	331,365	451	46
Less: Undistributed Earnings - Sub Co	0	0	2,787	0	0	0
Other	-208,045	106	-15,883	22,520	-4,904	-1,325
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	702,502	5,875	171,026	1,046,266	30,874	69,705
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-384,907	-3,999	-44,139	-1,790,057	-24,023	-28,195
Gross Additions to Nuclear Fuel	-8,609	0	0	1,606	0	0
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	0	0	0	0	0	0
Less: Allowance for Other Funds						
Used During Construction	-18,052	-16	-576	-331,365	-451	-46
Other	-10,393	0	0	-19,340	-10,809	0
Cash Outflows For Plant	-385,857	-3,983	-43,563	-1,476,425	-34,381	-28,149
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	0	-204
Investments in & Adv to Assoc & Sub Co	0	0	0	0	0	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	15,000	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	0	0	0	-39,182	0	0
Net Cash Provided by (Used in) Investing Activities	-385,857	-3,983	-43,563	-1,515,607	-19,381	-28,353
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	517,514	2,400	0	650,115	20,000	64,757
Preferred Stock	127,731	0	0	98,150	0	0
Common Stock	0	149	0	300,150	0	0
Other	9,604	0	0	374,750	0	0
Net Increase in Short-term Debt	0	0	0	0	0	0
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	654,849	2,549	0	1,423,165	20,000	64,757
Payment for Retirement of						
Long-term Debt	107,662	2,807	6,559	453,009	574	42,780
Preferred Stock	0	12	284	0	1,241	0
Common Stock	0	0	0	0	0	0
Other	19,834	0	0	44,673	0	0
Net Decrease in Short-term Debt	-391,820	0	0	0	-17,600	-23,073
Dividends on Preferred Stock	44,491	85	7,551	107,694	1,351	33,600
Dividends on Common Stock	315,716	1,390	90,019	542,298	11,740	2,077
Net Cash Provided by Financing Activities	-224,673	-1,744	-104,413	275,491	-12,506	-36,773
Net Increase (Decrease) in Cash and Cash Equivalents	91,972	148	23,050	-193,850	-1,014	4,579
Cash and Cash Equivalents at Beginning of Year	11,889	154	64,981	198,976	3,527	2,198
Cash and Cash Equivalents at End of Year	103,861	302	88,031	5,126	2,514	6,777

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 38. Statement of Cash Flows by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Vermont Central Vermont Public Service Corp	Vermont Green Mountain Power Corp	Vermont Vermont Electric Power Co Inc	Vermont Vermont Yankee Nuclear Power Corp	Virginia Appalachian Power Co	Virginia Virginia Electric & Power Co
Net Cash Flow from Operating Activities						
Net Income	18,245	9,028	1,755	7,793	156,347	435,466
Noncash Charges (Credits) to Income						
Depreciation and Depletion	9,916	5,247	3,130	14,858	105,284	347,646
Amortization	4,462	660	292	20,877	2,389	110,723
Deferred Income Taxes (Net)	-184	1,493	188	-1,925	-8,868	35,358
Investment Tax Credit Adjustment (Net)	-449	-309	-84	-1,418	-3,750	-24,279
Net (Increase) Decrease in Receivables	-3,545	-2,828	6,831	2,228	2,981	-40,615
Net (Increase) Decrease in Inventory	-217	-514	0	0	13,650	-24,528
Net Inc (Dec) in Payables & Accrued Exp	3,322	-1,566	-6,421	-10,932	-7,905	61,433
Less: Allowance for Other Funds						
Used During Construction	300	-136	0	219	597	3,703
Less: Undistributed Earnings - Sub Co	-2,092	180	9	0	-756	0
Other	-1,527	613	-58	4,264	31,370	-72,777
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	31,814	11,780	5,624	35,525	291,656	824,724
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-27,231	-20,159	-809	-3,199	-121,475	-870,187
Gross Additions to Nuclear Fuel	-270	0	0	-5,811	0	-34,551
Gross Additions to Common Utility Plant	0	0	0	0	0	0
Gross Additions to Nonutility Plant	-163	-202	0	0	0	0
Less: Allowance for Other Funds						
Used During Construction	-300	360	0	-219	-597	0
Other	0	6,002	-1	0	0	0
Cash Outflows For Plant	-27,364	-14,720	-810	-8,791	-120,878	-904,738
Acquisition of Other Noncurrent Assets	0	0	0	4,291	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	11,833	2,388	0
Investments in & Adv to Assoc & Sub Co	-7,098	-4,284	1,000	0	3,117	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of Invest in (Adv to) Assoc & Sub Co	280	0	0	0	0	0
Purchase of Investment Securities	10,346	0	0	0	0	0
Proceeds from Sales of Investment Securities	11,288	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	85	-1,304	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	-90	0	0	0
Other	3,310	0	-259	-10,371	0	14,511
Net Cash Provided by (Used in) Investing Activities	-29,930	-19,004	-74	-12,924	-115,373	-890,227
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	18,000	17,000	0	-316	50,000	572,000
Preferred Stock	0	0	0	0	0	75,000
Common Stock	2,136	-1	0	0	0	99,999
Other	-5	0	0	0	-1,211	0
Net Increase in Short-term Debt	0	0	0	0	0	0
Other	0	0	0	0	0	43,055
Cash Provided by Outside Sources	20,131	16,999	0	-316	48,789	790,054
Payment for Retirement of						
Long-term Debt	7,460	1,566	3,297	7,211	73,606	326,609
Preferred Stock	0	287	600	8,559	4,026	23,892
Common Stock	0	0	0	0	0	0
Other	0	0	0	0	4,266	3,522
Net Decrease in Short-term Debt	-700	-602	108	-6,185	280	-825
Dividends on Preferred Stock	750	289	1,200	592	14,350	59,902
Dividends on Common Stock	13,355	7,210	540	7,168	111,776	302,994
Net Cash Provided by Financing Activities	-2,133	7,045	-5,529	-30,030	-158,956	72,310
Net Increase (Decrease) in Cash and Cash Equivalents	-249	-179	22	-7,429	17,327	6,807
Cash and Cash Equivalents at Beginning of Year	338	653	177	9,429	35,526	-38,257
Cash and Cash Equivalents at End of Year	89	473	199	2,000	52,853	-31,450

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 38. Statement of Cash Flows by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Washington Puget Sound Power & Light Co	Washington Water Power Co	West Virginia Monongahela Power Co	West Virginia Wheeling Power Co	Wisconsin Consolidated Water Power Co	Wisconsin Madison Gas & Electric Co
Net Cash Flow from Operating Activities						
Net Income	117,749	72,071	55,445	1,893	1,998	20,596
Noncash Charges (Credits) to Income						
Depreciation and Depletion	79,205	35,723	48,381	2,084	643	25,468
Amortization	22,760	11,420	0	0	0	31
Deferred Income Taxes (Net)	4,652	3,482	-6,300	-790	191	366
Investment Tax Credit Adjustment (Net)	-27,067	-13,528	-2,059	-98	-34	-906
Net (Increase) Decrease in Receivables	-5,023	6,774	-2,125	61	0	-1,835
Net (Increase) Decrease in Inventory	194	2,764	-3,561	-9	-52	-6,019
Net Inc (Dec) in Payables & Accrued Exp	4,507	7,004	428	-2,559	24	7,954
Less: Allowance for Other Funds						
Used During Construction	144	136	1,317	0	0	731
Less: Undistributed Earnings - Sub Co	0	10,600	-3,386	0	532	0
Other	47,569	23,846	-117	1,662	-8	-4,352
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	244,402	138,821	92,161	2,244	2,230	40,572
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-130,289	-41,606	-75,888	-3,423	-2,595	-26,175
Gross Additions to Nuclear Fuel	0	0	0	0	0	0
Gross Additions to Common Utility Plant	0	0	0	0	0	-1,955
Gross Additions to Nonutility Plant	0	-1,640	0	0	0	-13
Less: Allowance for Other Funds						
Used During Construction	-144	-136	-1,317	0	0	-731
Other	0	115	-9,085	0	-33	-1,443
Cash Outflows For Plant	-130,145	-42,396	-83,656	-3,423	-2,628	-28,855
Acquisition of Other Noncurrent Assets	0	-558	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	51	0
Investments in & Adv to Assoc & Sub Co	-5,537	0	0	0	0	-811
Contributions and Adv from Assoc & Sub Co	0	0	0	0	348	0
Dispo of Invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	0	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	0	0
Collections on Loans	3,717	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	0	0	0	0	0	0
Other	-22,530	0	0	0	0	-3,222
Net Cash Provided by (Used in) Investing Activities	-154,496	-42,438	-83,656	-3,423	-2,230	-32,887
Cash Flows from Financing Activities						
Proceeds from issuance of						
Long-term Debt	0	125,700	70,000	0	0	0
Preferred Stock	0	0	0	0	0	0
Common Stock	2,963	598	0	0	0	5,232
Other	0	0	0	700	0	0
Net Increase in Short-term Debt	0	0	9,986	2,450	0	6,250
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	2,963	129,298	79,986	3,150	0	11,482
Payment for Retirement of						
Long-term Debt	92	132,157	65,000	0	0	880
Preferred Stock	4,393	2,400	0	0	0	200
Common Stock	0	0	0	0	0	0
Other	32	574	0	0	0	0
Net Decrease in Short-term Debt	15,400	-24,800	0	0	0	0
Dividends on Preferred Stock	13,563	11,764	4,940	0	0	558
Dividends on Common Stock	92,271	55,360	44,459	2,040	0	17,279
Net Cash Provided by Financing Activities	-91,987	-97,756	-34,413	1,110	0	-7,435
Net Increase (Decrease) in Cash and Cash Equivalents	-2,080	-1,373	-25,908	-69	0	249
Cash and Cash Equivalents at Beginning of Year	4,836	2,782	26,811	889	0	563
Cash and Cash Equivalents at End of Year	2,755	1,408	904	820	0	812

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas&Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
Net Cash Flow from Operating Activities						
Net Income	33,429	568	1,844	1,753	190,282	64,346
Noncash Charges (Credits) to Income						
Depreciation and Depletion	24,096	755	465	1,695	129,344	59,161
Amortization	317	-50	0	206	22,950	9,144
Deferred Income Taxes (Net)	4,654	0	-106	0	11,189	-2,486
Investment Tax Credit Adjustment (Net)	-1,440	-26	-19	-55	-5,686	-2,667
Net (Increase) Decrease in Receivables	-5,604	-11	3,205	-392	-4,114	30,205
Net (Increase) Decrease in Inventory	102	-2	0	-25	-6,291	1,270
Net Inc (Dec) in Payables & Accrued Exp	-2,012	-24	2,790	-160	-2,694	-5,997
Less: Allowance for Other Funds						
Used During Construction	463	0	0	0	4,899	1,908
Less: Undistributed Earnings - Sub Co	0	0	0	0	0	1,955
Other	3,085	2	0	-887	54,190	-2,058
Balance (Changes in Financial Position)	0	0	0	0	0	0
Net Cash Provided by (Used in)						
Operating Activities	56,165	1,212	8,179	2,136	384,272	147,155
Cash Flows from Investment Activities						
Construction & Acquisition of Plant (Inc Land)						
Gross Additions to Utility Plant						
(Less Nuclear Fuel)	-47,934	0	-876	-2,084	-183,148	-69,376
Gross Additions to Nuclear Fuel	0	0	0	0	-19,337	-10,212
Gross Additions to Common Utility Plant	-1,638	0	0	0	0	-14,337
Gross Additions to Nonutility Plant	0	0	0	0	161	0
Less: Allowance for Other Funds						
Used During Construction	-463	0	0	0	-4,899	-1,808
Other	0	-1,285	-303	54	-2,413	-49
Cash Outflows For Plant	-49,109	-1,285	-1,179	-2,030	-199,837	-92,166
Acquisition of Other Noncurrent Assets	0	0	0	0	0	0
Proceeds from Disposal of Noncurrent Assets	0	0	0	0	0	0
Investments in & Adv to Assoc & Sub Co	0	0	0	0	0	0
Contributions and Adv from Assoc & Sub Co	0	0	0	0	0	0
Disp of invest in (Adv to) Assoc & Sub Co	0	0	0	0	0	0
Purchase of Investment Securities	0	0	0	3	0	0
Proceeds from Sales of Investment Securities	0	0	0	0	0	0
Loans Made or Purchased	0	0	0	0	26,881	0
Collections on Loans	0	0	0	0	0	0
Net (Increase) Decrease in Receivables	0	0	0	0	0	0
Net (Increase) Decrease in Inventory	0	0	0	0	0	0
Net Inc (Dec) in Payables & Accr Exp	-1,510	0	0	0	0	0
Other	1,945	0	0	0	-16,772	0
Net Cash Provided by (Used in)						
Investing Activities	-48,674	-1,285	-1,179	-2,032	-243,490	-92,166
Cash Flows from Financing Activities						
Proceeds from Issuance of						
Long-term Debt	0	180	0	0	81,033	0
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	0	0
Other	0	0	0	0	0	0
Net Increase in Short-term Debt	12,600	384	0	0	0	11,977
Other	0	0	0	0	0	0
Cash Provided by Outside Sources	12,600	564	0	0	81,033	11,977
Payment for Retirement of						
Long-term Debt	1,668	85	0	150	96,824	13,903
Preferred Stock	0	0	0	0	0	0
Common Stock	0	0	0	0	0	0
Other	0	0	0	0	0	0
Net Decrease in Short-term Debt	0	0	0	0	0	0
Dividends on Preferred Stock	0	0	0	0	5,928	3,811
Dividends on Common Stock	18,274	276	7,000	1,600	116,864	49,626
Net Cash Provided by Financing Activities	-7,342	203	-7,000	-1,750	-138,583	-55,364
Net Increase (Decrease) in Cash and Cash						
Equivalents	148	129	0	-1,646	2,199	-374
Cash and Cash Equivalents at						
Beginning of Year	1,231	-51	0	2,498	91,732	1,481
Cash and Cash Equivalents at End of Year	1,379	78	0	852	93,931	1,107

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 38. Statement of Cash Flows by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp	Wisconsin River Power Co
Net Cash Flow from Operating Activities		
Net Income	49,130	1,577
Noncash Charges (Credits) to Income		
Depreciation and Depletion	56,553	402
Amortization	7,412	10
Deferred Income Taxes (Net)	-1,385	-38
Investment Tax Credit Adjustment (Net)	-2,256	-4
Net (Increase) Decrease in Receivables	-10,923	-267
Net (Increase) Decrease in Inventory	-8,650	0
Net Inc (Dec) in Payables & Accrued Exp	-1,040	7
Less: Allowance for Other Funds		
Used During Construction	595	0
Less: Undistributed Earnings - Sub Co	-876	0
Other	26,706	-1,147
Balance (Changes in Financial Position)	0	0
Net Cash Provided by (Used in)		
Operating Activities	115,828	540
Cash Flows from Investment Activities		
Construction & Acquisition of Plant (Inc Land)		
Gross Additions to Utility Plant		
(Less Nuclear Fuel)	-56,158	-1,269
Gross Additions to Nuclear Fuel	-10,218	0
Gross Additions to Common Utility Plant	-5,322	0
Gross Additions to Nonutility Plant	30	-14
Less: Allowance for Other Funds		
Used During Construction	-595	0
Other	0	0
Cash Outflows For Plant	-71,073	-1,283
Acquisition of Other Noncurrent Assets	0	0
Proceeds from Disposal of Noncurrent Assets	1,185	447
Investments in & Adv to Assoc & Sub Co	941	0
Contributions and Adv from Assoc & Sub Co	362	0
Disp of Invest in (Adv to) Assoc & Sub Co	0	0
Purchase of Investment Securities	0	0
Proceeds from Sales of Investment Securities	0	0
Loans Made or Purchased	0	0
Collections on Loans	0	0
Net (Increase) Decrease in Receivables	0	0
Net (Increase) Decrease in Inventory	0	0
Net Inc (Dec) in Payables & Accr Exp	-1,579	0
Other	-5,151	0
Net Cash Provided by (Used in)		
Investing Activities	-75,316	-836
Cash Flows from Financing Activities		
Proceeds from Issuance of		
Long-term Debt	0	0
Preferred Stock	0	0
Common Stock	0	0
Other	0	0
Net Increase in Short-term Debt	14,500	0
Other	0	0
Cash Provided by Outside Sources	14,500	0
Payment for Retirement of		
Long-term Debt	450	0
Preferred Stock	1,503	0
Common Stock	7,473	0
Other	0	0
Net Decrease in Short-term Debt	0	0
Dividends on Preferred Stock	3,462	0
Dividends on Common Stock	36,898	1,030
Net Cash Provided by Financing Activities	-35,285	-1,030
Net Increase (Decrease) in Cash and Cash		
Equivalents	5,227	-1,326
Cash and Cash Equivalents at		
Beginning of Year	-3,850	3,114
Cash and Cash Equivalents at End of Year	1,377	1,788

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 39. Number of Consumers, Sales, and Operating Revenue
by Investor-Owned Electric Utility Within State,
1989**

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Number of Consumers on December 31						
Residential	968,398	0	512,168	0	235,823	512,382
Commercial	139,648	0	67,003	0	25,756	63,526
Industrial	5,141	0	3,242	0	484	19,352
Public Street and Highway Lighting	650	0	463	0	26	453
Other Public Authorities	0	0	287	0	33	820
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	1	0	0	0	0	0
Total Ultimate Consumers	1,113,838	0	583,163	0	262,122	596,533
Sales for Resale	32	2	40	4	2	15
Total Number of Consumers	1,113,870	2	583,203	4	262,124	596,548
Sales for the Year (megawatthours)						
Residential	11,346,736	0	5,673,188	0	2,093,983	5,098,307
Commercial	7,915,685	0	6,025,634	0	1,229,192	3,643,555
Industrial	17,360,791	0	3,107,762	0	2,603,313	5,512,702
Public Street and Highway Lighting	162,711	0	65,038	0	27,419	62,408
Other Public Authorities	0	0	4,549	0	134,795	257,261
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	3,774	0	0	0	0	0
Total Sales to Ultimate Consumers	36,789,697	0	14,876,171	0	6,088,702	14,574,233
Sales for Resale	9,055,334	5,678,048	2,612,680	4,626,354	1,416,555	12,128,587
Total Sales	45,845,031	5,678,048	17,488,851	4,626,354	7,505,257	26,702,820
Operating Revenues for the Year (thousand dollars)						
Residential	781,982	0	559,755	0	162,582	431,408
Commercial	533,487	0	521,665	0	106,477	258,061
Industrial	762,274	0	186,980	0	147,592	311,625
Public Street and Highway Lighting	11,516	0	12,078	0	1,899	6,626
Other to Public Authorities	0	0	164	0	8,664	14,642
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	227	0	0	0	0	0
Total Revenues from Sales to Ultimate Consumers	2,089,486	0	1,280,641	0	427,215	1,022,363
Sales for Resale	369,723	163,129	103,448	278,045	82,605	343,883
Total Revenues from Sales of Electricity	2,459,209	163,129	1,384,089	278,045	509,820	1,366,245
(less) Provision for Rate Refunds	0	0	3,914	0	5,087	11,821
Net Revenues from Sales of Electricity	2,459,209	163,129	1,380,175	278,045	504,733	1,354,424
Other Operating Revenues	26,178	1,616	66,979	0	2,887	27,447
Total Electric Utility Operating Revenues	2,485,387	164,745	1,447,154	278,045	507,621	1,381,871

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	California Pacific Gas & Electric Co	California San Diego Gas & Electric Co	California Southern California Edison Co	Colorado Public Service Co of Colorado	Connecticut Citizens Utilities Co	Connecticut Connecticut Light & Power Co
Number of Consumers on December 31						
Residential	3,532,306	944,642	3,435,055	833,237	71,665	960,719
Commercial	527,953	106,322	441,877	113,438	11,128	86,372
Industrial	1,185	474	3,658	134	132	4,237
Public Street and Highway Lighting	14,572	1,128	8,833	466	530	2,706
Other Public Authorities	46	0	1	159	890	0
Railroads and Railways	6	0	0	0	0	1
Interdepartmental	0	0	20	24	0	0
Total Ultimate Consumers	4,076,068	1,052,566	3,889,444	947,458	84,345	1,054,035
Sales for Resale	18	18	24	27	1	3
Total Number of Consumers	4,076,086	1,052,584	3,889,468	947,485	84,346	1,054,038
Sales for the Year (megawatthours)						
Residential	22,845,271	5,145,744	21,355,283	5,233,765	513,225	8,164,810
Commercial	28,369,162	5,295,276	23,534,152	9,590,723	341,000	7,666,661
Industrial	15,747,315	2,919,893	22,228,383	3,130,854	280,790	4,367,805
Public Street and Highway Lighting	365,595	65,654	416,193	131,950	6,851	121,898
Other Public Authorities	475,181	0	101,620	45,526	55,817	0
Railroads and Railways	251,473	0	0	0	0	134,486
Interdepartmental	146,488	0	1,232	13,744	0	0
Total Sales to Ultimate Consumers	68,200,485	13,426,567	67,636,863	18,146,562	1,197,683	20,455,660
Sales for Resale	1,711,644	1,012,485	1,498,885	965,350	1,298	526,938
Total Sales	69,912,129	14,439,052	69,135,748	19,111,912	1,198,981	20,982,598
Operating Revenues for the Year (thousand dollars)						
Residential	2,212,789	512,384	2,155,328	374,064	47,448	762,897
Commercial	2,619,895	433,788	2,362,343	536,951	34,730	645,488
Industrial	1,003,088	199,018	1,752,599	139,365	26,497	308,428
Public Street and Highway Lighting	45,210	6,553	66,905	15,803	997	21,816
Other to Public Authorities	29,215	0	9,466	3,128	4,700	0
Railroads and Railways	16,823	0	0	0	0	9,045
Interdepartmental	12,454	0	118	396	0	0
Total Revenues from Sales to Ultimate Consumers	5,939,474	1,151,743	6,346,759	1,069,708	114,372	1,747,673
Sales for Resale	90,796	36,432	84,979	32,512	101	24,352
Total Revenues from Sales of Electricity	6,030,270	1,188,175	6,431,738	1,102,219	114,473	1,772,025
(less) Provision for Rate Refunds	0	0	0	-1,484	0	4,779
Net Revenues from Sales of Electricity	6,030,270	1,188,175	6,431,738	1,103,704	114,473	1,767,246
Other Operating Revenues	193,520	133,516	86,753	8,000	659	59,640
Total Electric Utility Operating Revenues	6,223,790	1,321,691	6,518,490	1,111,703	115,131	1,826,886

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 39. Number of Consumers, Sales, and Operating Revenue
by Investor-Owned Electric Utility Within State,
1989 (Continued)**

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Number of Consumers on December 31						
Residential	0	0	276,385	316,396	566,346	2,715,993
Commercial	0	0	29,526	39,519	65,510	327,279
Industrial	0	0	347	813	387	17,643
Public Street and Highway Lighting	0	0	1,316	545	157	3,169
Other Public Authorities	0	0	0	0	0	326
Railroads and Railways	0	0	0	0	3	23
Interdepartmental	0	0	0	1	0	0
Total Ultimate Consumers	0	0	307,574	357,274	632,403	3,064,433
Sales for Resale	10	1	0	12	2	13
Total Number of Consumers	10	1	307,574	357,286	632,405	3,064,446
Sales for the Year (megawatthours)						
Residential	0	0	1,883,363	3,049,882	6,071,019	32,308,033
Commercial	0	0	2,254,099	2,875,681	9,948,985	25,687,987
Industrial	0	0	1,109,120	3,025,653	5,041,965	4,200,205
Public Street and Highway Lighting	0	0	60,426	43,139	155,669	322,959
Other Public Authorities	0	0	0	0	0	692,562
Railroads and Railways	0	0	0	0	321,019	79,981
Interdepartmental	0	0	0	3,468	0	0
Total Sales to Ultimate Consumers	0	0	5,307,008	8,997,823	21,538,657	63,291,727
Sales for Resale	2,961,818	3,961	0	1,831,016	1,946,162	854,477
Total Sales	2,961,818	3,961	5,307,008	10,828,839	23,484,819	64,146,204
Operating Revenues for the Year (thousand dollars)						
Residential	0	0	205,183	251,490	396,475	2,601,951
Commercial	0	0	219,852	197,363	625,861	1,750,416
Industrial	0	0	92,855	133,451	256,248	238,459
Public Street and Highway Lighting	0	0	9,943	4,961	11,663	45,499
Other to Public Authorities	0	0	0	0	0	36,325
Railroads and Railways	0	0	0	0	18,044	5,046
Interdepartmental	0	0	0	104	0	0
Total Revenues from Sales to Ultimate Consumers	0	0	527,832	587,369	1,308,290	4,677,695
Sales for Resale	200,241	797	0	85,141	86,380	105,200
Total Revenues from Sales of Electricity	200,241	797	527,832	672,510	1,394,670	4,782,895
(less) Provision for Rate Refunds	0	0	0	0	0	1,157
Net Revenues from Sales of Electricity	200,241	797	527,832	672,510	1,394,670	4,781,739
Other Operating Revenues	0	2	3,349	5,888	238	164,552
Total Electric Utility Operating Revenues	200,241	799	531,181	678,397	1,394,909	4,946,291

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 39. Number of Consumers, Sales, and Operating Revenue
by Investor-Owned Electric Utility Within State,
1989 (Continued)**

Item	Florida Florida Power Corp	Florida Gulf Power Co	Florida Tampa Electric Co	Georgia Georgia Power Co	Georgia Savannah Electric & Power Co	Hawaiian Electric Co Inc
Number of Consumers on December 31						
Residential	977,448	250,038	393,278	1,342,307	94,217	215,075
Commercial	111,079	33,500	49,780	176,405	12,226	29,305
Industrial	3,021	228	536	12,309	69	446
Public Street and Highway Lighting	2,145	58	118	2,024	155	1,034
Other Public Authorities	8,108	0	3,445	0	688	0
Railroads and Railways	0	0	0	1	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	1,101,801	283,824	447,157	1,533,046	107,355	245,862
Sales for Resale	16	6	0	5	0	0
Total Number of Consumers	1,101,817	283,830	447,157	1,533,051	107,355	245,862
Sales for the Year (megawatthours)						
Residential	11,786,858	3,293,750	5,213,947	14,134,195	1,109,976	1,620,439
Commercial	6,989,812	2,169,497	4,062,331	15,843,181	839,756	1,535,351
Industrial	3,766,128	2,094,670	2,672,400	21,801,404	561,063	3,054,445
Public Street and Highway Lighting	19,682	15,742	40,390	265,577	15,459	43,984
Other Public Authorities	1,560,816	0	907,242	0	85,705	0
Railroads and Railways	0	0	0	148,530	0	0
Interdepartmental	0	1,467	0	0	0	0
Total Sales to Ultimate Consumers	24,123,296	7,575,126	12,896,310	52,192,887	2,611,959	6,254,219
Sales for Resale	2,387,180	1,640,355	2,998,358	17,657,264	330,412	0
Total Sales	26,510,476	9,215,481	15,894,668	69,850,151	2,942,371	6,254,219
Operating Revenues for the Year (thousand dollars)						
Residential	825,735	203,781	415,990	1,022,781	82,759	134,729
Commercial	377,645	118,897	269,335	1,143,727	63,759	124,248
Industrial	150,674	84,671	126,609	1,006,416	27,207	186,764
Public Street and Highway Lighting	773	1,548	7,192	27,733	1,803	3,304
Other to Public Authorities	79,417	0	58,234	0	4,881	0
Railroads and Railways	0	0	0	7,042	0	0
Interdepartmental	0	37	0	0	0	0
Total Revenues from Sales to Ultimate Consumers	1,434,245	408,935	877,361	3,207,699	180,409	449,046
Sales for Resale	105,852	67,554	62,253	690,251	6,270	0
Total Revenues from Sales of Electricity	1,540,097	476,489	940,220	3,897,949	186,679	449,046
(less) Provision for Rate Refunds	8,379	0	18,932	0	0	0
Net Revenues from Sales of Electricity	1,531,718	476,489	921,288	3,897,949	186,679	449,046
Other Operating Revenues	95,281	12,088	13,358	25,530	1,178	1,908
Total Electric Utility Operating Revenues	1,626,999	488,577	934,646	3,923,480	187,857	450,954

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Hawaii Maui Electric Co. Ltd.	Idaho Idaho Power Co.	Illinois Central Illinois Light Co.	Illinois Central Illinois Pub. Serv. Co.	Illinois Commonwealth Edison Co.	Illinois Electric Energy Inc.
Number of Consumers on December 31						
Residential	36,693	234,335	164,786	263,617	2,881,355	0
Commercial	6,300	47,406	19,386	40,708	268,076	0
Industrial	83	137	242	138	1,420	1
Public Street and Highway Lighting	387	158	147	383	1,581	0
Other Public Authorities	0	0	76	381	10,126	0
Railroads and Railways	0	0	0	0	2	0
Interdepartmental	0	0	0	1	0	0
Total Ultimate Consumers	43,463	282,036	184,637	305,228	3,162,560	1
Sales for Resale	0	17	1	4	4	4
Total Number of Consumers	43,463	282,053	184,638	305,232	3,162,564	5
Sales for the Year (megawatthours)						
Residential	249,576	3,497,093	1,522,591	2,423,543	19,152,013	0
Commercial	251,781	3,624,145	1,185,840	1,970,203	21,587,158	0
Industrial	225,295	3,929,490	2,230,081	2,622,769	21,673,431	7,827,769
Public Street and Highway Lighting	4,707	18,353	14,922	45,573	563,086	0
Other Public Authorities	0	0	19,205	127,419	5,748,163	0
Railroads and Railways	0	0	0	0	422,181	0
Interdepartmental	0	0	2,235	802	0	0
Total Sales to Ultimate Consumers	731,369	11,069,081	4,975,474	7,190,309	69,149,032	7,827,769
Sales for Resale	0	2,934,764	14,000	306,229	3,061,568	774,575
Total Sales	731,369	14,003,845	4,989,474	7,496,538	72,210,600	8,602,344
Operating Revenues for the Year (thousand dollars)						
Residential	78,212	163,966	110,280	193,863	2,134,885	0
Commercial	1,2891	138,108	79,752	143,909	1,743,125	0
Industrial	10,048	94,029	86,572	128,539	1,321,168	162,722
Public Street and Highway Lighting	466	1,871	935	2,615	36,236	0
Other to Public Authorities	0	0	1,202	7,238	390,611	0
Railroads and Railways	0	0	0	0	27,923	0
Interdepartmental	0	0	156	21	0	0
Total Revenues from Sales to Ultimate Consumers	78,618	397,974	278,897	476,185	5,653,948	162,722
Sales for Resale	0	70,749	729	14,366	81,795	26,220
Total Revenues from Sales of Electricity	78,618	468,723	279,626	490,551	5,735,743	188,942
(less) Provision for Rate Refunds	0	1,681	0	30,321	31,800	0
Net Revenues from Sales of Electricity	78,618	467,042	279,626	460,230	5,703,943	188,942
Other Operating Revenues	919	29,119	1,103	13,533	47,107	0
Total Electric Utility Operating Revenues	79,537	496,161	280,730	473,763	5,751,050	188,942

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Illinois Illinois Power Co	Illinois Mt Carmel Public Utility Co	Indiana Alcoa Generating Corp	Indiana AEP Generating Co	Indiana Commonwealth Edison Co of Indiana Inc	Indiana Indiana Michigan Power Co
Number of Consumers on December 31						
Residential	489,219	4,554	0	0	0	419,848
Commercial	57,386	955	0	0	0	45,739
Industrial	389	137	1	0	0	4,491
Public Street and Highway Lighting	371	0	0	0	0	1,558
Other Public Authorities	342	1	0	0	0	452
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	547,707	5,647	1	0	0	472,088
Sales for Resale	4	1	0	3	1	85
Total Number of Consumers	547,711	5,648	1	3	1	472,173
Sales for the Year (megawatthours)						
Residential	4,283,165	44,292	0	0	0	4,377,273
Commercial	2,961,246	12,875	0	0	0	3,374,834
Industrial	7,653,384	90,198	5,298,087	0	0	5,167,760
Public Street and Highway Lighting	56,856	0	0	0	0	81,033
Other Public Authorities	276,275	618	0	0	0	147,004
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Sales to Ultimate Consumers	15,230,926	147,983	5,298,087	0	0	13,147,904
Sales for Resale	610,243	2,777	0	4,465,280	465,312	8,357,952
Total Sales	15,841,169	150,760	5,298,087	4,465,280	465,312	21,505,856
Operating Revenues for the Year (thousand dollars)						
Residential	373,071	3,441	0	0	0	276,078
Commercial	225,060	1,133	0	0	0	196,404
Industrial	339,249	5,857	106,280	0	0	233,990
Public Street and Highway Lighting	6,126	0	0	0	0	5,169
Other to Public Authorities	16,222	41	0	0	0	6,306
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Revenues from Sales to Ultimate Consumers	959,728	10,471	106,280	0	0	717,946
Sales for Resale	23,015	111	0	156,749	64,642	274,916
Total Revenues from Sales of Electricity	982,743	10,582	106,280	156,749	64,642	992,862
(less) Provision for Rate Refunds	0	0	0	0	0	0
Net Revenues from Sales of Electricity	982,743	10,582	106,280	156,749	64,642	992,862
Other Operating Revenues	5,241	72	459	83	226	12,776
Total Electric Utility Operating Revenues	987,985	10,654	106,740	156,832	64,868	1,005,638

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Number of Consumers on December 31						
Residential	336,101	333,364	509,013	99,127	124,800	177,106
Commercial	37,397	38,955	68,138	13,703	30,566	29,964
Industrial	2,291	2,302	2,831	192	599	416
Public Street and Highway Lighting	194	280	1,098	19	241	293
Other Public Authorities	8	535	79	0	649	2
Railroads and Railways	0	1	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	375,991	375,437	581,159	113,041	156,855	207,781
Sales for Resale	1	10	27	4	19	23
Total Number of Consumers	375,992	375,447	581,186	113,045	156,874	207,804
Sales for the Year (megawatthours)						
Residential	3,585,364	2,284,887	5,758,726	1,110,141	952,572	1,475,064
Commercial	2,386,981	2,433,286	4,722,757	959,393	745,540	1,254,075
Industrial	5,178,131	7,901,606	7,046,598	1,822,461	2,392,681	1,358,907
Public Street and Highway Lighting	64,918	54,023	56,989	19,516	22,121	38,553
Other Public Authorities	11,408	26,891	552	0	38,909	10,436
Railroads and Railways	0	12,883	0	0	0	0
Interdepartmental	0	37,059	0	1,344	689	0
Total Sales to Ultimate Consumers	11,226,802	12,750,635	17,585,622	3,912,855	4,152,712	4,137,035
Sales for Resale	21,594	185,565	3,104,569	1,430,936	207,134	349,554
Total Sales	11,248,396	12,936,200	20,690,191	5,343,791	4,359,846	4,486,589
Operating Revenues for the Year (thousand dollars)						
Residential	205,065	233,390	385,292	72,149	58,027	136,203
Commercial	136,494	212,043	250,017	53,392	40,977	92,394
Industrial	214,047	388,829	286,139	71,295	81,756	61,712
Public Street and Highway Lighting	7,095	8,161	7,757	1,815	2,090	3,749
Other to Public Authorities	713	2,383	56	0	1,548	445
Railroads and Railways	0	1,138	0	0	0	0
Interdepartmental	0	2,646	0	74	38	0
Total Revenues from Sales to Ultimate Consumers	563,415	848,590	929,261	198,724	184,437	294,502
Sales for Resale	825	7,096	113,331	45,746	7,723	14,071
Total Revenues from Sales of Electricity	564,240	856,286	1,042,592	244,470	192,160	308,573
(less) Provision for Rate Refunds	0	0	2,505	-2,161	-17,561	2,377
Net Revenues from Sales of Electricity	564,240	856,286	1,040,087	246,630	209,720	306,196
Other Operating Revenues	6,352	26,017	19,099	1,250	4,778	1,114
Total Electric Utility Operating Revenues	570,592	882,303	1,059,186	247,880	214,498	307,310

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa Illinois Gas & Electric Co	Kansas Centel Corp	Kansas Gas & Electric Co
Number of Consumers on December 31						
Residential	214,198	134,698	80,964	171,697	113,823	227,592
Commercial	31,676	17,703	11,665	19,720	21,507	20,575
Industrial	451	376	429	63	116	4,336
Public Street and Highway Lighting	130	171	124	74	138	806
Other Public Authorities	892	2,935	625	546	136	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	247,547	155,883	93,807	192,100	135,720	253,309
Sales for Resale	3	16	8	3	30	39
Total Number of Consumers	247,550	155,899	93,815	192,103	135,750	253,348
Sales for the Year (megawatthours)						
Residential	1,891,707	1,121,677	729,633	1,149,722	779,473	2,104,716
Commercial	1,438,065	916,310	363,625	1,246,966	837,513	1,748,434
Industrial	1,778,884	1,040,850	877,481	1,919,056	606,276	2,978,423
Public Street and Highway Lighting	49,431	32,877	16,629	29,995	22,697	49,743
Other Public Authorities	44,666	223,019	20,238	93,771	51,141	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	20,368	5,442	0	0	0
Total Sales to Ultimate Consumers	5,202,753	3,355,101	2,013,048	4,439,510	2,297,100	6,881,318
Sales for Resale	99,251	1,966,505	150,699	5,770	357,814	2,062,967
Total Sales	5,242,004	5,321,606	2,163,747	4,445,280	2,654,914	8,944,285
Operating Revenues for the Year (thousand dollars)						
Residential	156,047	84,466	40,116	101,726	59,762	187,658
Commercial	100,382	49,874	20,498	84,759	54,724	135,740
Industrial	80,390	40,065	33,149	83,055	28,129	153,360
Public Street and Highway Lighting	6,586	2,755	1,142	2,466	2,761	5,743
Other to Public Authorities	2,486	11,805	995	5,423	2,794	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	1,088	67	0	0	0
Total Revenues from Sales to Ultimate Consumers	345,891	190,053	95,966	277,429	148,171	482,500
Sales for Resale	1,525	38,561	4,143	498	12,549	40,834
Total Revenues from Sales of Electricity	347,416	228,613	100,109	277,926	160,720	523,334
(less) Provision for Rate Refunds	315	0	117	0	0	0
Net Revenues from Sales of Electricity	347,101	228,613	99,992	277,926	160,720	523,334
Other Operating Revenues	2,799	5,313	2,950	10,665	4,292	8,202
Total Electric Utility Operating Revenues	349,900	233,927	102,942	288,591	165,012	531,536

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 39. Number of Consumers, Sales, and Operating Revenue
by Investor-Owned Electric Utility Within State,
1989 (Continued)**

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
Number of Consumers on December 31						
Residential	260,896	130,029	320,304	283,052	0	91,655
Commercial	37,172	19,852	53,283	32,088	0	9,527
Industrial	1,914	1,850	1,833	315	0	405
Public Street and Highway Lighting	0	371	1,192	2,904	0	104
Other Public Authorities	0	0	5,127	1,866	0	711
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	299,982	152,102	381,739	320,225	0	102,402
Sales for Resale	46	22	26	9	0	1
Total Number of Consumers	300,028	152,124	381,765	320,234	0	102,403
Sales for the Year (megawatthours)						
Residential	2,246,376	1,735,862	3,782,105	2,882,176	0	981,789
Commercial	2,813,725	885,685	2,758,325	2,515,565	0	677,797
Industrial	1,924,996	2,780,243	3,380,913	2,658,727	0	623,138
Public Street and Highway Lighting	57,990	8,513	60,831	59,889	0	13,075
Other Public Authorities	0	0	940,938	893,821	0	235,016
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	1,445	0	0	0	0	1,036
Total Sales to Ultimate Consumers	7,046,532	5,410,303	10,923,112	9,010,178	0	2,531,851
Sales for Resale	2,017,861	1,462,711	2,253,407	764,489	0	40,630
Total Sales	9,064,393	6,873,014	13,176,519	9,774,667	0	2,572,481
Operating Revenues for the Year (thousand dollars)						
Residential	142,308	88,548	170,539	175,602	0	54,362
Commercial	139,567	48,502	120,068	142,878	0	36,550
Industrial	78,267	96,638	115,859	104,532	0	27,106
Public Street and Highway Lighting	3,755	712	4,020	4,892	0	893
Other to Public Authorities	0	0	35,601	47,132	0	11,149
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	45	0	0	0	0	47
Total Revenues from Sales to Ultimate Consumers	363,942	234,400	446,086	470,935	0	130,106
Sales for Resale	76,528	40,723	70,510	16,521	0	1,581
Total Revenues from Sales of Electricity	440,470	275,123	516,596	487,456	0	131,687
(less) Provision for Rate Refunds	0	0	0	0	0	0
Net Revenues from Sales of Electricity	440,470	275,123	516,596	487,456	0	131,687
Other Operating Revenues	10,793	3,317	3,322	3,872	931	1,036
Total Electric Utility Operating Revenues	451,263	278,440	519,918	491,328	931	132,722

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Louisiana Central Louisiana Electric Co Inc	Louisiana Louisiana Power & Light Co	Louisiana New Orleans Public Service Inc	Louisiana Southwestern Electric Power Co	Maine Bangor Hydro- Electric Co	Maine Central Maine Power Co
Number of Consumers on December 31						
Residential	168,171	504,614	171,196	315,799	79,798	428,351
Commercial	22,034	57,893	17,594	43,772	11,740	45,723
Industrial	785	5,761	855	5,740	882	1,716
Public Street and Highway Lighting	90	1,480	402	187	15,664	409
Other Public Authorities	4,112	2,566	1,295	2,404	85	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	195,192	572,314	191,342	367,902	108,169	476,199
Sales for Resale	2	3	1	21	10	5
Total Number of Consumers	195,194	572,317	191,343	367,923	108,179	476,204
Sales for the Year (megawatthours)						
Residential	2,157,740	6,864,801	1,829,616	3,562,588	520,091	3,162,292
Commercial	967,996	4,174,690	2,035,130	2,899,442	167,301	2,278,619
Industrial	1,876,420	14,025,344	489,729	5,362,397	834,692	3,537,113
Public Street and Highway Lighting	23,252	109,761	53,706	131,677	11,187	40,455
Other Public Authorities	388,659	259,115	783,690	220,919	54,172	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	2,552	0	0	0
Total Sales to Ultimate Consumers	5,414,067	25,433,711	5,194,423	12,177,023	1,587,443	9,018,479
Sales for Resale	9,509	1,014,177	283,903	3,705,644	21,790	381,334
Total Sales	5,423,576	26,447,888	5,478,325	15,882,667	1,609,233	9,399,813
Operating Revenues for the Year (thousand dollars)						
Residential	143,911	496,760	133,984	235,278	47,725	261,471
Commercial	60,455	305,629	157,973	155,989	14,293	162,301
Industrial	76,730	541,208	25,249	219,580	49,847	181,617
Public Street and Highway Lighting	1,138	11,162	4,284	10,640	1,489	7,248
Other to Public Authorities	22,174	14,670	47,183	10,649	3,672	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	136	0	0	0
Total Revenues from Sales to Ultimate Consumers	304,408	1,369,429	368,809	632,136	117,026	612,636
Sales for Resale	385	38,127	8,036	80,758	1,728	21,739
Total Revenues from Sales of Electricity	304,792	1,407,556	376,845	712,894	118,754	634,375
(less) Provision for Rate Refunds	0	0	0	987	0	0
Net Revenues from Sales of Electricity	304,792	1,407,556	376,845	711,907	118,754	634,375
Other Operating Revenues	11,679	19,249	3,989	18,089	1,334	51,072
Total Electric Utility Operating Revenues	316,471	1,426,805	380,834	729,996	120,088	685,447

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Maine Electric Power Co Inc	Maine Public Service Co	Maine Yankee Atomic Power Co	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co
Number of Consumers on December 31						
Residential	0	27,737	0	905,448	277,092	555,073
Commercial	0	4,940	0	88,756	35,605	89,689
Industrial	0	17	0	8,110	3,866	1,424
Public Street and Highway Lighting	0	1,193	0	103	414	2,678
Other Public Authorities	0	8	0	0	0	0
Railroads and Railways	0	0	0	1	0	1
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	0	33,895	0	1,002,418	316,977	648,865
Sales for Resale	3	0	38	0	24	26
Total Number of Consumers	3	33,903	38	1,002,418	317,001	648,891
Sales for the Year (megawatthours)						
Residential	0	178,668	0	9,450,984	3,466,647	3,413,801
Commercial	0	145,457	0	2,313,797	1,744,825	7,095,297
Industrial	0	145,307	0	12,695,225	4,896,273	1,845,441
Public Street and Highway Lighting	0	4,302	0	146,795	21,406	132,791
Other Public Authorities	0	59,190	0	0	0	0
Railroads and Railways	0	0	0	105,027	0	126,971
Interdepartmental	0	0	0	79,234	0	0
Total Sales to Ultimate Consumers	0	532,924	0	24,791,062	10,129,151	12,614,301
Sales for Resale	642,894	189,778	6,921,582	0	7,838,151	1,138,682
Total Sales	642,894	722,702	6,921,582	24,791,062	17,967,302	13,752,983
Operating Revenues for the Year (thousand dollars)						
Residential	0	18,538	0	648,884	208,662	347,292
Commercial	0	13,384	0	173,015	94,648	604,652
Industrial	0	9,785	0	658,295	152,296	138,703
Public Street and Highway Lighting	0	862	0	21,559	2,615	21,132
Other to Public Authorities	0	3,737	0	0	0	0
Railroads and Railways	0	0	0	6,036	0	8,407
Interdepartmental	0	0	0	1,711	0	0
Total Revenues from Sales to Ultimate Consumers	0	46,306	0	1,509,499	458,221	1,120,185
Sales for Resale	18,140	10,531	158,412	0	228,542	124,208
Total Revenues from Sales of Electricity	18,140	56,837	158,412	1,509,499	686,763	1,244,394
(less) Provision for Rate Refunds	0	0	0	0	0	284
Net Revenues from Sales of Electricity	18,140	56,837	158,412	1,509,499	686,763	1,244,109
Other Operating Revenues	2,484	294	0	9,795	2,662	25,236
Total Electric Utility Operating Revenues	20,624	57,131	158,412	1,519,294	689,425	1,269,345

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts
Item	Cambridge Electric Light Co	Canal Electric Co	Commonwealth Electric Co	Eastern Edison Co	Boston Edison Co	Fitchburg Gas & Electric Light Co
Number of Consumers on December 31						
Residential	36,557	0	255,881	151,306	555,073	22,574
Commercial	6,039	0	33,180	18,368	89,689	2,645
Industrial	137	0	346	640	1,424	114
Public Street and Highway Lighting	242	0	647	23	2,678	5
Other Public Authorities	353	0	2,245	0	0	3
Railroads and Railways	0	0	0	0	1	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	43,328	0	292,299	170,337	648,865	25,341
Sales for Resale	1	5	0	0	26	0
Total Number of Consumers	43,329	5	292,299	170,337	648,891	25,341
Sales for the Year (megawatthours)						
Residential	148,037	0	1,704,872	1,039,414	3,413,801	128,525
Commercial	921,866	0	1,057,834	1,095,425	7,095,297	69,923
Industrial	95,016	0	386,536	352,119	1,845,441	168,864
Public Street and Highway Lighting	8,544	0	17,914	15,343	132,791	2,927
Other Public Authorities	95,794	0	256,728	0	0	3,482
Railroads and Railways	0	0	0	0	126,971	0
Interdepartmental	0	0	0	0	0	0
Total Sales to Ultimate Consumers	1,269,257	0	3,423,884	2,502,301	12,614,301	373,741
Sales for Resale	97,468	5,702,508	2	0	1,138,682	2,171
Total Sales	1,366,725	5,702,508	3,423,886	2,502,301	13,752,983	375,912
Operating Revenues for the Year (thousand dollars)						
Residential	15,294	0	186,805	103,238	347,292	15,571
Commercial	62,946	0	98,663	94,308	604,652	8,515
Industrial	6,272	0	32,887	30,032	138,703	12,909
Public Street and Highway Lighting	1,478	0	3,615	2,734	21,132	763
Other to Public Authorities	6,393	0	22,448	0	0	419
Railroads and Railways	0	0	0	0	8,407	0
Interdepartmental	0	0	0	0	0	0
Total Revenues from Sales to Ultimate Consumers	92,383	0	344,417	230,312	1,120,185	38,177
Sales for Resale	4,410	202,085	0	0	124,208	159
Total Revenues from Sales of Electricity	96,793	202,085	344,417	230,312	1,244,394	38,336
(less) Provision for Rate Refunds	1,763	1,763	1,042	0	284	0
Net Revenues from Sales of Electricity	95,031	200,323	343,375	230,312	1,244,109	38,336
Other Operating Revenues	3,488	23,330	5,826	4,904	25,236	122
Total Electric Utility Operating Revenues	98,519	223,652	349,201	235,216	1,269,345	38,458

See endnotes at end of individual electric utility.

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

	Massachusetts Massachusetts Electric Co	Massachusetts Montaup Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
Number of Consumers on December 31						
Residential	806,398	0	0	173,869	0	1,281,269
Commercial	87,873	0	3	14,980	0	149,170
Industrial	4,687	0	4	809	0	8,856
Public Street and Highway Lighting	825	0	0	541	0	1,568
Other Public Authorities	0	0	0	0	0	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	899,783	0	7	190,199	0	1,440,863
Sales for Resale	21	14	32	5	10	20
Total Number of Consumers	899,804	14	39	190,204	10	1,440,883
Sales for the Year (megawatthours)						
Residential	5,662,063	0	0	1,429,202	0	9,431,120
Commercial	5,588,957	0	5,734	1,287,384	0	8,087,210
Industrial	4,169,062	0	7,937	1,070,084	0	11,038,651
Public Street and Highway Lighting	123,595	0	0	31,843	0	162,925
Other Public Authorities	0	0	0	0	0	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	46,861
Total Sales to Ultimate Consumers	15,543,677	0	13,671	3,818,513	0	28,766,767
Sales for Resale	6,760	5,072,462	22,376,946	11,304	1,307,102	900,268
Total Sales	15,550,437	5,072,462	22,390,617	3,829,817	1,307,102	29,667,035
Operating Revenues for the Year (thousand dollars)						
Residential	474,804	0	0	135,574	0	597,896
Commercial	314,061	0	288	103,083	0	525,417
Industrial	210,997	0	517	74,253	0	553,940
Public Street and Highway Lighting	16,382	0	0	4,639	0	15,325
Other to Public Authorities	0	0	0	0	0	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	2,711
Total Revenues from Sales to Ultimate Consumers	1,106,243	0	805	317,549	0	1,695,290
Sales for Resale	405	295,853	1,171,016	911	68,433	31,809
Total Revenues from Sales of Electricity	1,106,648	295,853	1,171,822	318,460	68,433	1,727,099
(less) Provision for Rate Refunds	0	1,157	1,492	-87	0	26,252
Net Revenues from Sales of Electricity	1,106,648	294,695	1,170,330	318,547	68,433	1,700,846
Other Operating Revenues	11,689	3,195	28,106	16,734	0	21,281
Total Electric Utility Operating Revenues	1,118,337	297,890	1,198,435	335,281	68,433	1,722,127

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
Item	Detroit Edison Co	Edison Sault Electric Co	Michigan Power Co	Upper Peninsula Power Co	Minnesota Power & Light Co	Northern States Power Co
Number of Consumers on December 31						
Residential	1,728,348	16,335	27,112	53,836	92,740	988,642
Commercial	160,778	2,806	3,770	6,118	12,430	125,213
Industrial	2,638	4	300	11	319	6,392
Public Street and Highway Lighting	726	39	72	75	247	1,811
Other Public Authorities	1,195	4	68	86	196	2,589
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	1,893,685	19,188	31,322	60,126	105,932	1,124,647
Sales for Resale	5	2	2	23	33	61
Total Number of Consumers	1,893,690	19,190	31,324	60,149	105,965	1,124,708
Sales for the Year (megawatthours)						
Residential	11,523,820	135,852	224,505	243,202	800,227	7,266,998
Commercial	8,551,588	157,011	144,641	167,911	751,981	4,230,289
Industrial	18,762,070	161,608	343,989	246,120	6,844,952	13,348,539
Public Street and Highway Lighting	230,895	2,590	2,635	5,598	16,700	132,504
Other Public Authorities	524,647	39,229	5,201	3,319	43,836	243,561
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	1,150	0	0	0	0	13,876
Total Sales to Ultimate Consumers	39,594,170	496,290	720,971	666,150	8,457,696	25,235,767
Sales for Resale	991,106	120,868	83,475	116,555	1,475,618	4,491,004
Total Sales	40,585,276	617,158	804,446	782,705	9,933,314	29,726,771
Operating Revenues for the Year (thousand dollars)						
Residential	1,013,677	7,559	15,414	20,151	42,932	471,390
Commercial	828,106	9,283	9,514	13,384	41,125	240,776
Industrial	1,171,389	5,404	17,289	12,925	250,378	554,664
Public Street and Highway Lighting	33,868	236	267	677	1,577	14,994
Other to Public Authorities	37,397	374	279	277	2,142	11,598
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	113	0	0	0	0	277
Total Revenues from Sales to Ultimate Consumers	3,084,551	22,857	42,763	47,424	338,155	1,293,700
Sales for Resale	34,497	2,774	3,317	5,199	40,896	93,324
Total Revenues from Sales of Electricity	3,119,049	25,631	46,080	52,623	379,052	1,387,024
(less) Provision for Rate Refunds	-443	0	0	-421	0	2,306
Net Revenues from Sales of Electricity	3,119,491	25,631	46,080	53,044	379,052	1,384,718
Other Operating Revenues	48,519	184	445	3,036	2,451	181,800
Total Electric Utility Operating Revenues	3,168,010	25,815	46,525	56,080	381,502	1,566,518

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 39. Number of Consumers, Sales, and Operating Revenue
by Investor-Owned Electric Utility Within State,
1989 (Continued)**

Item	Minnesota Otter Tail Power Co	Mississippi Mississippi Power & Light Co	Mississippi Mississippi Power Co	Mississippi System Energy Resources Inc	Missouri Empire District Electric Co	Missouri Kansas City Power & Light Co
Number of Consumers on December 31						
Residential	95,387	293,366	147,090	0	96,710	356,609
Commercial	23,495	43,168	26,830	0	16,459	46,857
Industrial	1,404	3,513	506	0	259	2,452
Public Street and Highway Lighting	419	403	129	0	513	121
Other Public Authorities	562	2,330	216	0	823	12
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	12	0	12	0
Total Ultimate Consumers	121,267	342,780	174,783	0	114,776	406,051
Sales for Resale	48	2	45	0	12	12
Total Number of Consumers	121,315	342,782	174,828	0	114,788	406,063
Sales for the Year (megawatthours)						
Residential	959,254	3,451,644	1,741,855	0	1,005,670	3,165,473
Commercial	511,533	2,678,705	1,686,302	0	761,803	4,699,160
Industrial	1,243,871	2,368,162	3,204,208	0	630,491	2,162,396
Public Street and Highway Lighting	28,649	64,767	37,109	0	19,646	70,442
Other Public Authorities	35,878	243,468	47,862	0	51,902	1,633
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	2,640	0	1,392	0
Total Sales to Ultimate Consumers	2,779,185	8,806,746	6,719,976	0	2,470,904	10,099,104
Sales for Resale	477,494	1,037,885	2,550,425	7,063,519	651,327	120,509
Total Sales	3,256,679	9,844,631	9,270,401	7,063,519	3,122,231	10,219,613
Operating Revenues for the Year (thousand dollars)						
Residential	61,891	274,842	100,068	0	53,059	255,913
Commercial	35,725	212,107	103,403	0	38,437	332,150
Industrial	59,406	147,146	128,983	0	22,909	110,413
Public Street and Highway Lighting	2,392	6,948	3,408	0	915	13,863
Other to Public Authorities	1,571	16,677	2,431	0	1,789	108
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	153	0	66	0
Total Revenues from Sales to Ultimate Consumers	160,985	657,718	338,447	0	117,175	712,447
Sales for Resale	7,903	45,886	74,616	839,253	13,741	5,175
Total Revenues from Sales of Electricity	168,887	703,604	413,062	839,253	130,916	717,621
(less) Provision for Rate Refunds	0	0	0	1,946	-63	0
Net Revenues from Sales of Electricity	168,887	703,604	413,062	837,307	130,979	717,621
Other Operating Revenues	3,953	6,142	5,155	0	1,738	6,408
Total Electric Utility Operating Revenues	172,840	709,746	418,217	837,307	132,718	724,030

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Missouri UtiliCorp United Inc	Montana Montana Power Co	Nevada Nevada Power Co	Nevada Sierra Pacific Power Co
Number of Consumers on December 31						
Residential	51,860	945,494	161,303	205,841	265,903	196,968
Commercial	6,384	118,350	20,334	35,645	37,609	30,994
Industrial	102	6,632	138	2,206	521	107
Public Street and Highway Lighting	93	1,572	137	2,779	5	111
Other Public Authorities	62	1	2,751	191	19	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	29	204	0	0
Total Ultimate Consumers	58,501	1,072,049	184,692	246,866	304,057	228,180
Sales for Resale	0	21	10	75	2	4
Total Number of Consumers	58,501	1,072,070	184,702	246,941	304,059	228,184
Sales for the Year (megawatthours)						
Residential	498,613	9,723,850	1,478,442	1,867,806	3,621,354	1,467,255
Commercial	383,071	10,142,002	995,269	1,939,320	1,669,619	1,880,354
Industrial	410,493	8,604,545	572,112	2,837,895	2,598,666	1,762,451
Public Street and Highway Lighting	9,513	140,725	95,212	41,999	79,675	10,979
Other Public Authorities	3,514	322	210,250	71,390	388,337	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	587	16,987	0	0
Total Sales to Ultimate Consumers	1,305,204	28,611,444	3,351,872	6,775,397	8,357,651	5,121,039
Sales for Resale	0	1,534,507	168,838	3,264,554	33,163	154,440
Total Sales	1,305,204	30,145,951	3,520,710	10,039,951	8,390,814	5,275,479
Operating Revenues for the Year (thousand dollars)						
Residential	28,079	757,139	109,355	97,379	177,471	122,446
Commercial	21,842	668,796	62,346	85,068	88,491	132,076
Industrial	17,096	411,614	25,510	88,663	126,816	91,863
Public Street and Highway Lighting	524	13,018	2,259	4,981	3,103	2,143
Other to Public Authorities	171	58	15,818	3,091	15,383	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	18	739	0	0
Total Revenues from Sales to Ultimate Consumers	67,713	1,850,626	215,306	279,922	411,264	348,531
Sales for Resale	0	64,262	6,267	83,815	1,474	8,815
Total Revenues from Sales of Electricity	67,713	1,914,888	221,574	363,737	412,738	357,346
(less) Provision for Rate Refunds	0	455	0	0	0	720
Net Revenues from Sales of Electricity	67,713	1,914,434	221,574	363,737	412,738	356,626
Other Operating Revenues	522	15,450	1,195	15,547	5,634	5,931
Total Electric Utility Operating Revenues	68,235	1,929,884	222,769	379,284	418,373	362,557

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 39. Number of Consumers, Sales, and Operating Revenue
by Investor-Owned Electric Utility Within State,
1989 (Continued)**

Item	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
	James River-NH Electric Inc	New England Electric Transmission Corp	Public Service Co of NH	Atlantic City Electric Co	Jersey Central Power & Light Co	Public Service Electric & Gas Co
Number of Consumers on December 31						
Residential	0	0	333,685	389,654	775,228	1,599,661
Commercial	0	0	48,153	49,509	89,593	225,972
Industrial	1	0	1,232	1,008	3,276	7,640
Public Street and Highway Lighting	0	0	391	548	1,412	6,575
Other Public Authorities	0	0	0	0	0	0
Railroads and Railways	0	0	0	1	0	0
Interdepartmental	0	0	0	0	0	1
Total Ultimate Consumers	1	0	383,461	440,720	869,509	1,840,849
Sales for Resale	1	0	29	0	6	4
Total Number of Consumers	2	0	383,490	440,720	869,515	1,840,853
Sales for the Year (megawatthours)						
Residential	0	0	2,439,430	3,265,918	6,615,486	9,950,773
Commercial	0	0	1,234,725	2,917,162	6,002,962	16,946,768
Industrial	341,275	0	2,681,000	1,380,832	3,898,510	9,886,712
Public Street and Highway Lighting	0	0	22,550	47,771	74,679	310,073
Other Public Authorities	0	0	0	0	0	0
Railroads and Railways	0	0	0	6,101	0	0
Interdepartmental	0	0	0	0	0	23,175
Total Sales to Ultimate Consumers	341,275	0	6,377,705	7,617,784	16,591,637	37,117,501
Sales for Resale	429	0	1,278,122	0	314,033	153,201
Total Sales	341,704	0	7,655,827	7,617,784	16,905,670	37,270,702
Operating Revenues for the Year (thousand dollars)						
Residential	0	0	241,977	327,443	651,015	1,018,185
Commercial	0	0	110,904	256,200	528,547	1,469,750
Industrial	1,921	0	190,873	94,634	278,812	709,174
Public Street and Highway Lighting	0	0	4,339	9,463	17,325	46,844
Other to Public Authorities	0	0	0	0	0	0
Railroads and Railways	0	0	0	439	0	0
Interdepartmental	0	0	0	0	0	1,843
Total Revenues from Sales to Ultimate Consumers	11,921	0	548,092	688,177	1,475,692	3,245,795
Sales for Resale	9	0	53,149	0	20,800	9,651
Total Revenues from Sales of Electricity	11,930	0	601,241	688,177	1,496,539	3,255,446
(less) Provision for Rate Refunds	0	0	0	0	0	11,687
Net Revenues from Sales of Electricity	11,930	0	601,241	688,177	1,496,539	3,243,759
Other Operating Revenues	0	14,600	18,147	16,980	9,273	36,155
Total Electric Utility Operating Revenues	11,930	14,600	619,388	705,157	1,505,812	3,279,913

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	New Jersey Rockland Electric Co	New Mexico Public Service Co of NM	New York Central Hudson Gas & Electric Corp	New York Consolidated Edison Co-NY Inc	New York Long Island Lighting Co	New York Long Sault Inc
Number of Consumers on December 31						
Residential	53,698	251,745	215,232	2,503,820	890,406	0
Commercial	6,670	31,079	29,392	402,578	99,070	0
Industrial	192	391	808	987	1,411	0
Public Street and Highway Lighting	29	217	194	303	4,357	0
Other Public Authorities	0	140	2,780	1,068	93	0
Railroads and Railways	0	0	0	4	0	0
Interdepartmental	0	39	1	0	0	0
Total Ultimate Consumers	60,589	283,611	248,407	2,908,760	995,337	0
Sales for Resale	0	10	9	4	3	0
Total Number of Consumers	60,589	283,621	248,416	2,908,764	995,340	0
Sales for the Year (megawatthours)						
Residential	459,175	1,527,108	1,509,139	9,699,143	7,063,072	0
Commercial	343,093	2,203,038	1,123,132	23,373,539	4,824,477	0
Industrial	331,012	961,251	1,797,007	1,335,588	3,811,122	0
Public Street and Highway Lighting	6,251	40,905	23,946	5,622	169,850	0
Other Public Authorities	0	149,677	291,711	485,492	294,410	0
Railroads and Railways	0	0	0	35,226	0	0
Interdepartmental	0	27,613	1,281	0	5,832	0
Total Sales to Ultimate Consumers	1,139,531	4,909,592	4,746,216	34,934,610	16,168,763	0
Sales for Resale	0	3,096,458	878,581	2,417,683	639,141	0
Total Sales	1,139,531	8,006,050	5,624,797	37,352,293	16,807,904	0
Operating Revenues for the Year (thousand dollars)						
Residential	48,599	141,465	148,077	1,341,622	915,644	0
Commercial	36,287	192,273	89,783	2,600,536	584,780	0
Industrial	28,524	64,519	99,935	145,997	396,960	0
Public Street and Highway Lighting	966	4,444	2,963	649	16,216	0
Other to Public Authorities	0	9,148	22,360	46,806	25,811	0
Railroads and Railways	0	0	0	2,713	0	0
Interdepartmental	0	1,795	28	0	217	0
Total Revenues from Sales to Ultimate Consumers	114,376	413,644	363,146	4,138,323	1,939,628	0
Sales for Resale	0	190,256	31,564	146,710	43,086	0
Total Revenues from Sales of Electricity	114,376	603,900	394,710	4,285,033	1,982,714	0
(less) Provision for Rate Refunds	93	0	0	23,042	0	0
Net Revenues from Sales of Electricity	114,283	603,900	394,710	4,261,991	1,982,714	0
Other Operating Revenues	85	16,482	8,525	324,501	711	1,576
Total Electric Utility Operating Revenues	114,368	620,381	403,235	4,586,492	1,983,505	1,876

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
Number of Consumers on December 31						
Residential	672,083	1,333,775	157,502	291,789	800,618	1,356,088
Commercial	69,007	142,050	21,772	28,174	136,946	213,855
Industrial	1,459	2,297	300	1,409	4,681	8,686
Public Street and Highway Lighting	1,017	3,155	411	347	1,952	7,160
Other Public Authorities	9,640	3	1	2,119	10	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	1	0	0	31
Total Ultimate Consumers	753,206	1,481,280	179,987	323,838	944,207	1,585,820
Sales for Resale	9	150	6	8	24	26
Total Number of Consumers	753,215	1,481,430	179,993	323,846	944,231	1,585,846
Sales for the Year (megawatthours)						
Residential	5,232,677	9,730,506	997,400	2,082,327	9,942,970	16,895,409
Commercial	3,180,891	11,356,732	664,667	1,842,388	7,378,331	14,206,213
Industrial	3,209,981	12,116,890	1,052,138	1,917,243	12,344,505	25,933,835
Public Street and Highway Lighting	96,464	220,506	19,757	51,639	93,660	185,831
Other Public Authorities	1,310,899	3,636	68,095	442,710	1,060,617	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	24,214	0	3,304	0	0	17,740
Total Sales to Ultimate Consumers	13,055,126	33,428,270	2,805,361	6,336,307	30,820,083	57,239,028
Sales for Resale	4,460,662	1,053,081	1,757,647	1,255,283	7,776,570	9,389,125
Total Sales	17,515,788	34,481,351	4,563,008	7,591,590	38,596,653	66,628,153
Operating Revenues for the Year (thousand dollars)						
Residential	510,941	840,351	118,657	199,129	790,362	1,198,705
Commercial	261,606	870,842	71,051	161,215	489,867	851,423
Industrial	196,701	483,085	76,317	128,878	651,375	1,147,763
Public Street and Highway Lighting	14,186	41,979	3,456	10,723	12,079	15,528
Other to Public Authorities	98,399	51	3,986	35,233	57,873	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	1,779	0	108	0	0	831
Total Revenues from Sales to Ultimate Consumers	1,083,611	2,236,309	273,576	535,178	2,001,555	3,214,250
Sales for Resale	134,108	53,834	80,598	38,028	442,184	379,570
Total Revenues from Sales of Electricity	1,217,719	2,290,142	354,174	573,205	2,443,739	3,593,819
(less) Provision for Rate Refunds	-2,091	0	759	0	2,026	20,971
Net Revenues from Sales of Electricity	1,219,810	2,290,142	353,415	573,205	2,441,713	3,572,848
Other Operating Revenues	46,857	111,895	3,119	4,630	39,090	65,491
Total Electric Utility Operating Revenues	1,266,668	2,402,037	356,534	577,835	2,480,803	3,639,339

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	North Carolina	North Carolina	North Dakota	Ohio	Ohio	Ohio
	Nantahala Power & Light Co	Yadkin Inc	MDU Resources Group Inc	Cincinnati Gas & Electric Co	Cleveland Electric Illum Co	Columbus Southern Power Co
Number of Consumers on December 31						
Residential	42,066	0	92,484	497,972	658,801	483,036
Commercial	5,204	0	16,256	55,655	67,551	48,740
Industrial	8	1	1,002	2,751	7,865	3,084
Public Street and Highway Lighting	11	0	170	350	266	311
Other Public Authorities	0	0	118	2,940	138	2
Railroads and Railways	0	0	0	0	1	0
Interdepartmental	0	0	1	0	0	0
Total Ultimate Consumers	47,289	1	110,031	559,668	734,622	535,173
Sales for Resale	8	0	21	11	2	25
Total Number of Consumers	47,297	1	110,052	559,679	734,624	535,198
Sales for the Year (megawatthours)						
Residential	361,337	0	726,440	5,538,672	4,789,158	4,644,079
Commercial	224,963	0	343,744	4,196,263	5,207,821	4,656,135
Industrial	114,283	1,812,911	696,208	4,665,515	8,779,681	2,562,774
Public Street and Highway Lighting	1,576	0	31,873	82,012	164,954	31,294
Other Public Authorities	0	0	35,303	1,180,800	293,696	277,057
Railroads and Railways	0	0	0	0	42,251	0
Interdepartmental	0	0	531	7,441	0	0
Total Sales to Ultimate Consumers	702,161	1,812,911	1,836,099	15,670,703	19,277,561	12,171,339
Sales for Resale	62,587	0	311,327	3,545,693	87,146	3,976,307
Total Sales	764,748	1,812,911	2,147,426	19,216,396	19,364,707	16,147,646
Operating Revenues for the Year (thousand dollars)						
Residential	24,348	0	52,615	356,644	469,803	310,587
Commercial	12,928	0	24,941	256,504	452,911	270,117
Industrial	4,903	20,367	37,527	203,707	519,854	115,729
Public Street and Highway Lighting	158	0	1,916	4,455	14,557	2,651
Other to Public Authorities	0	0	1,702	60,993	17,633	10,019
Railroads and Railways	0	0	0	0	3,763	0
Interdepartmental	0	0	61	328	0	0
Total Revenues from Sales to Ultimate Consumers	42,337	20,367	118,762	882,632	1,478,522	709,103
Sales for Resale	2,054	0	5,210	124,585	31,877	112,206
Total Revenues from Sales of Electricity	44,391	20,367	123,972	1,007,217	1,510,398	821,309
(Less) Provision for Rate Refunds	4,143	0	0	0	27,929	0
Net Revenues from Sales of Electricity	40,248	20,367	123,972	1,007,217	1,538,327	821,309
Other Operating Revenues	658	1,363	2,256	9,261	53,336	10,054
Total Electric Utility Operating Revenues	40,906	21,730	126,228	1,016,477	1,591,664	831,363

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Ohio Dayton Power & Light Co	Ohio Indiana- Kentucky Electric Corp	Ohio Edison Co	Ohio Power Co	Ohio Ohio Valley Electric Corp	Ohio Toledo Edison Co
Number of Consumers on December 31						
Residential	401,477	0	796,427	554,907	0	252,467
Commercial	37,774	0	87,110	70,165	0	25,757
Industrial	2,432	0	2,480	7,893	1	1,673
Public Street and Highway Lighting	1,397	0	754	2,477	0	220
Other Public Authorities	3,454	0	0	422	0	2,405
Railroads and Railways	1	0	0	0	0	0
Interdepartmental	14	0	0	0	0	0
Total Ultimate Consumers	446,549	0	886,771	635,864	1	282,522
Sales for Resale	14	1	6	38	15	14
Total Number of Consumers	446,563	1	886,777	635,902	16	282,536
Sales for the Year (megawatthours)						
Residential	4,321,247	0	6,594,510	5,725,511	0	2,016,860
Commercial	2,716,892	0	5,535,422	3,885,542	0	1,621,621
Industrial	3,774,401	0	7,985,502	18,066,792	15,402,569	3,740,881
Public Street and Highway Lighting	70,846	0	132,249	91,507	0	53,102
Other Public Authorities	1,195,861	0	0	175,932	0	441,713
Railroads and Railways	6,663	0	0	0	0	0
Interdepartmental	3,839	0	0	0	0	0
Total Sales to Ultimate Consumers	12,089,749	0	20,247,683	27,945,284	15,402,569	7,874,177
Sales for Resale	497,969	9,923,480	8,327,891	9,349,677	2,602,696	1,174,839
Total Sales	12,587,718	9,923,480	28,575,574	37,294,961	18,005,265	9,049,016
Operating Revenues for the Year (thousand dollars)						
Residential	300,793	0	645,305	374,332	0	215,932
Commercial	157,543	0	499,803	221,228	0	163,991
Industrial	167,487	0	462,104	597,682	207,875	220,678
Public Street and Highway Lighting	5,404	0	15,551	7,998	0	7,155
Other to Public Authorities	57,487	0	0	7,237	0	39,354
Railroads and Railways	406	0	0	0	0	0
Interdepartmental	208	0	0	0	0	0
Total Revenues from Sales to Ultimate Consumers	689,327	0	1,622,763	1,208,476	207,875	653,111
Sales for Resale	14,159	135,047	216,188	266,983	31,627	120,748
Total Revenues from Sales of Electricity	703,486	135,047	1,838,951	1,475,460	239,502	773,859
(less) Provision for Rate Refunds	0	0	0	0	0	-32,513
Net Revenues from Sales of Electricity	703,486	135,047	1,838,951	1,475,460	239,502	806,373
Other Operating Revenues	11,353	0	21,898	21,171	0	20,432
Total Electric Utility Operating Revenues	714,839	135,047	1,860,849	1,496,631	239,502	826,805

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

	Oklahoma	Oklahoma	Oregon	Oregon	Oregon	Oregon
Item	Oklahoma Gas & Electric Co.	Public Service Co. of Oklahoma	Fair-Safe Inc.	PacificCorp	Portland General Electric Co.	Warm Springs Power Enterprises
Number of Consumers on December 31						
Residential	549,274	391,204	0	1,054,454	490,039	0
Commercial	59,944	50,688	0	140,301	67,915	0
Industrial	8,051	5,053	0	21,477	196	0
Public Street and Highway Lighting	245	840	0	2,585	628	0
Other Public Authorities	9,268	269	0	48	0	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	7	0	0
Total Ultimate Consumers	636,782	448,144	0	1,218,872	558,778	0
Sales for Resale	38	15	1	55	11	1
Total Number of Consumers	636,820	448,159	1	1,218,927	558,789	1
Sales for the Year (megawatthours)						
Residential	5,996,127	4,061,881	0	10,765,282	6,158,864	0
Commercial	4,314,172	3,969,072	0	8,803,026	5,140,836	0
Industrial	5,638,352	4,028,916	0	18,877,759	3,508,061	0
Public Street and Highway Lighting	64,549	52,035	0	100,416	93,407	0
Other Public Authorities	1,787,032	45,781	0	585,700	0	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	63,753	0	0
Total Sales to Ultimate Consumers	17,800,232	12,157,685	0	39,195,938	14,901,168	0
Sales for Resale	1,707,975	270,724	502,090	8,559,077	2,988,054	76,903
Total Sales	19,508,207	12,428,409	502,090	47,755,015	17,889,222	76,903
Operating Revenues for the Year (thousand dollars)						
Residential	393,574	259,779	0	646,383	293,722	0
Commercial	256,298	195,370	0	517,336	261,345	0
Industrial	235,105	103,351	0	670,641	133,331	0
Public Street and Highway Lighting	8,326	4,057	0	10,589	10,208	0
Other to Public Authorities	86,486	2,318	0	25,464	0	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	2,128	0	0
Total Revenues from Sales to Ultimate Consumers	979,739	564,875	0	1,872,541	698,605	0
Sales for Resale	53,892	14,292	32,273	269,558	92,323	7,063
Total Revenues from Sales of Electricity	1,033,631	579,167	32,273	2,142,099	790,928	7,063
(less) Provision for Rate Refunds	0	736	0	303	45,947	0
Net Revenues from Sales of Electricity	1,033,631	578,431	32,273	2,141,796	744,981	7,063
Other Operating Revenues	15,943	8,274	3,971	33,062	-6,845	0
Total Electric Utility Operating Revenues	1,049,574	586,705	36,244	2,174,858	738,136	7,063

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania
Item	Duquesne Light Co	Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Philadelphia Electric Co
Number of Consumers on December 31						
Residential	514,804	371,896	476,692	999,782	117,500	1,273,640
Commercial	51,704	43,816	63,071	126,917	14,792	134,058
Industrial	2,020	2,111	4,250	5,443	266	4,401
Public Street and Highway Lighting	1,823	716	953	1,317	123	751
Other Public Authorities	0	395	0	17	0	0
Railroads and Railways	0	0	0	1	0	3
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	570,351	418,934	544,966	1,133,477	132,681	1,412,853
Sales for Resale	1	8	23	50	10	6
Total Number of Consumers	570,352	418,942	544,989	1,133,527	132,691	1,412,859
Sales for the Year (megawatthours)						
Residential	3,119,456	3,331,200	3,465,889	10,061,446	1,024,243	9,639,582
Commercial	5,144,889	2,395,818	3,070,089	8,284,597	698,166	4,790,052
Industrial	3,221,120	3,587,837	4,905,329	8,723,390	1,809,308	16,561,920
Public Street and Highway Lighting	72,012	34,798	42,644	78,671	7,206	201,271
Other Public Authorities	0	102,019	0	608	0	0
Railroads and Railways	0	0	0	7,783	0	754,535
Interdepartmental	0	0	0	0	0	74,527
Total Sales to Ultimate Consumers	11,557,477	9,451,672	11,513,951	27,156,495	3,538,923	32,021,887
Sales for Resale	2,181,998	201,073	438,809	7,515,530	1,087,336	622,496
Total Sales	13,739,475	9,652,745	11,952,760	34,672,025	4,626,259	32,644,383
Operating Revenues for the Year (thousand dollars)						
Residential	382,912	259,142	270,999	776,673	101,909	1,127,904
Commercial	443,547	165,958	208,624	612,762	57,954	524,982
Industrial	1,119,585	190,568	230,906	488,691	90,640	1,170,095
Public Street and Highway Lighting	16,801	4,626	5,452	14,788	1,695	33,203
Other to Public Authorities	0	7,925	0	49	0	0
Railroads and Railways	0	0	0	610	0	50,272
Interdepartmental	0	0	0	0	0	5,576
Total Revenues from Sales to Ultimate Consumers	1,042,845	628,219	715,981	1,893,572	251,309	2,912,032
Sales for Resale	50,551	7,371	22,365	361,197	34,492	32,260
Total Revenues from Sales of Electricity	1,093,396	635,589	738,346	2,254,769	285,801	2,944,293
(less) Provision for Rate Refunds	2,638	0	0	0	295	0
Net Revenues from Sales of Electricity	1,090,757	635,589	738,346	2,254,769	285,506	2,944,293
Other Operating Revenues	27,319	15,083	21,368	100,000	16,532	53,586
Total Electric Utility Operating Revenues	1,118,076	650,672	759,714	2,354,770	302,038	2,997,878

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Pennsylvania Safe Harbor Water Power Corp	Pennsylvania Susquehanna Electric Co	Pennsylvania UGI Corp	Pennsylvania West Penn Power Co	Pennsylvania York Haven Power Co	Rhode Island Blackstone Valley Electric Co
Number of Consumers on December 31						
Residential	0	0	51,510	546,949	0	74,108
Commercial	0	0	5,880	59,395	0	8,357
Industrial	0	0	190	10,428	0	578
Public Street and Highway Lighting	0	0	51	617	0	7
Other Public Authorities	0	0	5	0	0	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	0	0	57,636	617,389	0	83,050
Sales for Resale	2	2	1	39	1	0
Total Number of Consumers	2	2	57,637	617,428	1	83,050
Sales for the Year (megawatthours)						
Residential	0	0	435,066	5,173,781	0	367,117
Commercial	0	0	261,419	3,127,641	0	392,351
Industrial	0	0	89,236	6,514,384	0	479,715
Public Street and Highway Lighting	0	0	4,660	53,646	0	12,341
Other Public Authorities	0	0	227	0	0	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Sales to Ultimate Consumers	0	0	790,608	14,869,452	0	1,251,524
Sales for Resale	1,108,389	1,730,032	3	10,993,192	104,598	0
Total Sales	1,108,389	1,730,032	790,611	25,862,644	104,598	1,251,524
Operating Revenues for the Year (thousand dollars)						
Residential	0	0	32,220	271,067	0	37,187
Commercial	0	0	19,246	146,364	0	36,090
Industrial	0	0	5,604	235,286	0	40,892
Public Street and Highway Lighting	0	0	680	5,615	0	1,641
Other to Public Authorities	0	0	15	0	0	0
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Revenues from Sales to Ultimate Consumers	0	0	57,765	658,332	0	115,810
Sales for Resale	28,588	21,236	0	323,010	3,188	0
Total Revenues from Sales of Electricity	28,588	21,236	57,765	981,342	3,188	115,810
(less) Provision for Rate Refunds	0	0	0	0	0	0
Net Revenues from Sales of Electricity	28,588	21,236	57,765	981,342	3,188	115,810
Other Operating Revenues	125	300	688	10,482	67	6,081
Total Electric Utility Operating Revenues	28,713	21,536	58,454	991,824	3,256	121,891

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Rhode Island Narragansett Electric Co	Rhode Island Newport Electric Corp	South Carolina Lockhart Power Co	South Carolina South Carolina Electric & Gas Co	South Carolina South Carolina Generating Co Inc	South Dakota Black Hills Corp
Number of Consumers on December 31						
Residential	277,223	26,244	4,453	373,769	0	42,057
Commercial	30,521	4,433	661	55,094	0	7,648
Industrial	2,044	3	12	719	0	37
Public Street and Highway Lighting	841	6	5	684	0	29
Other Public Authorities	0	1	0	1,666	0	77
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	310,629	30,687	5,131	431,932	0	49,848
Sales for Resale	2	0	1	10	1	1
Total Number of Consumers	310,631	30,687	5,132	431,942	1	49,849
Sales for the Year (megawatthours)						
Residential	1,787,051	194,120	50,056	4,818,109	0	343,645
Commercial	1,830,699	208,945	15,190	4,150,489	0	395,713
Industrial	834,006	38,542	121,660	4,607,218	0	529,702
Public Street and Highway Lighting	58,211	4,131	291	49,060	0	7,054
Other Public Authorities	0	114,694	0	409,063	0	13,926
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Sales to Ultimate Consumers	4,509,967	560,432	197,197	14,033,935	0	1,290,040
Sales for Resale	598	0	114,880	862,405	3,316,349	172,418
Total Sales	4,510,565	560,432	302,077	14,896,344	3,316,349	1,462,458
Operating Revenues for the Year (thousand dollars)						
Residential	154,495	18,822	3,319	339,214	0	25,398
Commercial	137,547	20,731	1,028	235,834	0	27,896
Industrial	56,850	3,270	5,328	187,154	0	25,135
Public Street and Highway Lighting	3,418	447	22	3,957	0	861
Other to Public Authorities	0	9,184	0	18,693	0	701
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Revenues from Sales to Ultimate Consumers	352,310	52,455	9,698	784,851	0	79,992
Sales for Resale	55	0	5,299	33,068	86,001	6,854
Total Revenues from Sales of Electricity	352,364	52,455	14,996	817,919	86,001	86,846
(less) Provision for Rate Refunds	0	0	0	0	0	0
Net Revenues from Sales of Electricity	352,364	52,455	14,996	817,919	86,001	86,846
Other Operating Revenues	2,665	-163	19	4,798	0	3,536
Total Electric Utility Operating Revenues	355,029	52,293	15,015	822,718	86,001	90,382

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	South Dakota Northwestern Public Service Co	Tennessee Kingsport Power Co	Tennessee Tapoco Inc	Texas Central Power & Light Co	Texas El Paso Electric Co	Texas Gulf States Utilities Co
Number of Consumers on December 31						
Residential	43,666	33,774	0	460,522	212,256	489,338
Commercial	8,407	3,853	0	71,209	21,469	62,234
Industrial	257	145	1	6,488	51	6,103
Public Street and Highway Lighting	191	114	0	733	238	796
Other Public Authorities	259	36	0	2,636	2,380	1,766
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	52,790	37,922	1	541,588	236,394	560,237
Sales for Resale	5	0	1	32	4	40
Total Number of Consumers	52,795	37,922	2	541,620	236,398	560,277
Sales for the Year (megawatthours)						
Residential	370,004	566,649	0	5,277,961	1,299,768	6,473,021
Commercial	199,827	285,179	0	4,086,174	1,450,817	5,197,356
Industrial	297,435	702,305	1,595,292	4,587,663	763,650	12,332,664
Public Street and Highway Lighting	9,815	4,774	0	70,154	30,068	80,496
Other Public Authorities	6,038	31,845	0	325,148	917,880	194,892
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	1,076,941
Total Sales to Ultimate Consumers	883,119	1,590,752	1,595,292	14,347,100	1,462,183	25,355,370
Sales for Resale	9,630	0	0	959,673	1,411,162	916,332
Total Sales	892,749	1,590,752	1,595,292	15,306,773	5,873,345	26,271,702
Operating Revenues for the Year (thousand dollars)						
Residential	28,827	27,189	0	312,850	122,598	487,972
Commercial	17,049	14,301	0	254,304	117,272	357,569
Industrial	15,189	23,581	8,673	184,871	42,250	541,018
Public Street and Highway Lighting	880	413	0	5,817	2,965	10,424
Other to Public Authorities	463	1,400	0	17,931	60,920	12,304
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	60,102
Total Revenues from Sales to Ultimate Consumers	62,407	66,893	8,673	775,773	346,006	1,469,390
Sales for Resale	367	0	0	47,357	77,742	51,584
Total Revenues from Sales of Electricity	62,774	66,893	8,673	823,129	423,748	1,520,974
(less) Provision for Rate Refunds	0	0	0	0	-62	0
Net Revenues from Sales of Electricity	62,774	66,893	8,673	823,129	423,686	1,520,974
Other Operating Revenues	915	356	2,000	13,456	2,437	41,165
Total Electric Utility Operating Revenues	63,689	67,248	10,673	836,585	426,248	1,562,139

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Texas Houston Lighting & Power Co	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Texas Utilities Electric Co	Texas Texas New Mexico Power Co	Texas West Texas Utilities Co
Number of Consumers on December 31						
Residential	1,183,022	33,137	286,922	1,861,206	170,499	140,507
Commercial	158,594	5,735	50,878	220,333	29,804	24,794
Industrial	1,792	247	10,087	23,727	194	7,360
Public Street and Highway Lighting	81	25	106	2,319	102	130
Other Public Authorities	0	422	424	12,748	131	4,586
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	1,343,489	39,566	348,417	2,120,333	200,730	177,377
Sales for Resale	10	2	73	67	3	126
Total Number of Consumers	1,343,499	39,568	348,490	2,120,400	200,733	177,503
Sales for the Year (megawatthours)						
Residential	15,699,501	362,322	2,310,388	27,204,860	1,915,772	1,365,295
Commercial	11,775,557	233,267	2,412,203	23,826,335	1,363,518	1,038,361
Industrial	28,689,553	157,964	6,821,532	22,163,409	2,796,162	1,202,106
Public Street and Highway Lighting	109,160	6,387	48,352	398,153	38,509	26,041
Other Public Authorities	0	85,751	429,179	2,292,008	76,678	436,716
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Sales to Ultimate Consumers	56,273,771	845,691	12,021,654	75,894,765	6,190,639	4,068,519
Sales for Resale	1,524,436	102,070	6,754,095	6,047,761	21,514	1,767,523
Total Sales	57,798,207	947,761	18,775,749	81,942,526	6,212,153	5,836,042
Operating Revenues for the Year (thousand dollars)						
Residential	1,250,647	24,614	154,346	1,746,015	143,070	113,253
Commercial	789,526	15,946	146,318	1,291,936	95,302	66,941
Industrial	1,110,842	8,330	278,552	855,235	125,098	59,186
Public Street and Highway Lighting	19,659	551	3,881	32,409	2,024	3,218
Other to Public Authorities	0	4,702	22,947	125,499	4,971	25,772
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Revenues from Sales to Ultimate Consumers	3,170,673	54,143	606,044	4,051,094	370,466	268,370
Sales for Resale	62,570	4,396	210,513	245,821	1,202	61,911
Total Revenues from Sales of Electricity	3,233,243	58,539	816,557	4,296,915	371,667	330,282
Less: Provision for Rate Refunds	0	0	-890	0	0	0
Net Revenues from Sales of Electricity	3,233,243	58,539	817,447	4,296,915	371,667	330,282
Other Operating Revenues	-114,508	382	4,081	21,650	6,622	1,042
Total Electric Utility Operating Revenues	3,118,735	58,921	821,528	4,318,565	378,289	331,324

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

Item	Vermont Central Vermont Public Service Corp	Vermont Green Mountain Power Corp	Vermont Vermont Electric Power Co Inc	Vermont Vermont Yankee Nuclear Power Corp	Virginia Appalachian Power Co	Virginia Virginia Electric & Power Co
Number of Consumers on December 31						
Residential	110,430	64,330	0	0	695,644	1,534,029
Commercial	15,095	10,956	0	0	88,730	166,908
Industrial	37	22	0	0	3,632	859
Public Street and Highway Lighting	166	54	0	0	1,466	1,293
Other Public Authorities	2	1	0	0	3,409	21,543
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	0	0	0
Total Ultimate Consumers	125,730	75,363	0	0	792,881	1,724,632
Sales for Resale	22	14	22	9	49	13
Total Number of Consumers	125,752	75,377	22	9	792,930	1,724,645
Sales for the Year (megawatthours)						
Residential	696,670	446,972	0	0	8,448,009	20,109,507
Commercial	757,996	571,282	0	0	4,726,231	16,532,569
Industrial	362,528	499,562	0	0	8,871,948	9,104,537
Public Street and Highway Lighting	6,995	4,660	0	0	67,136	229,297
Other Public Authorities	11	32	0	0	448,284	7,003,277
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	6,505	0	0	0	0
Total Sales to Ultimate Consumers	1,824,200	1,529,013	0	0	22,561,608	52,179,187
Sales for Resale	1,135,386	787,399	2,603,850	3,606,776	11,131,090	2,927,897
Total Sales	2,959,586	2,316,412	2,603,850	3,606,776	33,692,698	55,907,084
Operating Revenues for the Year (thousand dollars)						
Residential	68,659	34,967	0	0	459,388	1,469,100
Commercial	68,929	38,708	0	0	241,777	1,011,794
Industrial	25,062	25,778	0	0	325,886	402,042
Public Street and Highway Lighting	1,310	649	0	0	5,168	30,743
Other to Public Authorities	2	0	0	0	23,267	341,121
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	703	0	0	0	0
Total Revenues from Sales to Ultimate Consumers	163,962	100,805	0	0	1,055,487	3,254,800
Sales for Resale	47,763	37,873	96,397	145,585	325,415	146,113
Total Revenues from Sales of Electricity	211,725	138,479	96,397	145,585	1,380,902	3,400,912
(less) Provision for Rate Refunds	0	0	0	0	350	-10,699
Net Revenues from Sales of Electricity	211,725	138,479	96,397	145,585	1,380,552	3,411,612
Other Operating Revenues	8,939	5,549	16,692	0	13,379	47,316
Total Electric Utility Operating Revenues	220,664	144,028	113,089	145,585	1,393,891	3,458,928

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

	Washington	Washington	West Virginia	West Virginia	Wisconsin	Wisconsin
Item	Puget Sound Power & Light Co.	Washington Water Power Co.	Monongahela Power Co.	Wheeling Power Co.	Consolidated Water Power Co.	Madison Gas & Electric Co.
Number of Consumers on December 31						
Residential	627,322	217,164	285,648	35,716	844	95,761
Commercial	73,567	26,069	32,338	4,403	129	14,168
Industrial	3,036	977	7,832	284	1	82
Public Street and Highway Lighting	1,156	297	142	169	5	48
Other Public Authorities	0	0	0	0	12	2
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	31	0	0	0	1
Total Ultimate Consumers	705,081	244,538	325,960	40,572	991	110,062
Sales for Resale	9	22	23	0	2	3
Total Number of Consumers	705,090	244,560	325,983	40,572	993	110,065
Sales for the Year (megawatthours)						
Residential	8,491,550	2,938,410	2,401,287	347,181	7,182	620,003
Commercial	5,411,623	2,055,958	1,606,830	329,794	3,876	1,233,263
Industrial	3,427,941	1,307,730	4,828,376	1,273,228	985,344	149,524
Public Street and Highway Lighting	69,603	20,999	25,259	7,695	249	8,717
Other Public Authorities	0	0	0	0	234	190,252
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	13,391	0	0	0	5,348
Total Sales to Ultimate Consumers	17,400,717	6,336,488	8,861,752	1,957,898	996,885	2,207,107
Sales for Resale	1,377,950	3,646,266	6,588,225	0	675	14,191
Total Sales	18,778,667	9,982,754	15,449,977	1,957,898	997,560	2,221,298
Operating Revenues for the Year (thousand dollars)						
Residential	456,401	141,236	146,429	22,845	382	46,152
Commercial	268,273	108,313	86,527	17,860	204	68,076
Industrial	110,515	44,042	165,940	42,933	33,888	6,937
Public Street and Highway Lighting	8,436	2,854	2,445	745	13	591
Other to Public Authorities	0	0	0	0	13	8,262
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	605	0	0	0	331
Total Revenues from Sales to Ultimate Consumers	843,625	297,050	401,341	84,383	34,499	130,350
Sales for Resale	32,371	88,313	202,937	0	7	416
Total Revenues from Sales of Electricity	875,996	385,363	604,278	84,383	34,506	130,768
(less) Provision for Rate Refunds	0	0	0	0	0	0
Net Revenues from Sales of Electricity	875,996	385,363	604,278	84,383	34,506	130,768
Other Operating Revenues	11,777	8,926	9,876	1,502	955	118
Total Electric Utility Operating Revenues	887,773	394,288	614,154	85,885	35,461	130,885

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 39. Number of Consumers, Sales, and Operating Revenue by Investor-Owned Electric Utility Within State, 1989 (Continued)

	Wisconsin Northern States Power Co.	Wisconsin Northwestern Wisconsin Elec. Co.	Wisconsin South Beloit Water Gas&Elec. Co.	Wisconsin Superior Water Light & Power Co.	Wisconsin Wisconsin Electric Power Co.	Wisconsin Wisconsin Power & Light Co.
Number of Consumers on December 31						
Residential	181,640	9,947	4,361	11,100	791,513	287,695
Commercial	28,360	1,194	650	1,421	81,218	36,085
Industrial	1,483	142	31	145	650	611
Public Street and Highway Lighting	531	48	10	3	1,894	798
Other Public Authorities	449	0	0	0	64	134
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	0	0	0	24	0	0
Total Ultimate Consumers	212,463	11,331	5,692	12,693	875,339	327,323
Sales for Resale	30	1	1	0	26	47
Total Number of Consumers	212,493	11,332	5,693	12,693	875,365	327,365
Sales for the Year (megawatthours)						
Residential	1,616,628	56,487	39,543	66,769	6,088,234	2,493,289
Commercial	809,214	16,436	25,194	93,154	5,779,111	1,426,521
Industrial	1,959,321	36,532	96,831	331,786	9,487,029	3,021,592
Public Street and Highway Lighting	24,708	1,060	441	2,833	219,960	30,135
Other Public Authorities	23,460	0	0	0	15,536	1
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	2,936	0	96	2,195	0	23,595
Total Sales to Ultimate Consumers	4,436,267	110,515	162,105	496,737	21,589,870	6,995,133
Sales for Resale	584,034	4,847	6,201	0	2,703,486	2,604,862
Total Sales	5,020,301	115,362	168,306	496,737	24,293,356	9,599,995
Operating Revenues for the Year (thousand dollars)						
Residential	101,307	3,702	2,713	4,136	408,777	166,075
Commercial	45,617	1,099	1,567	4,455	352,170	85,608
Industrial	79,978	1,957	4,473	13,195	375,352	119,388
Public Street and Highway Lighting	2,571	87	48	203	14,418	3,281
Other to Public Authorities	1,331	0	0	0	914	6
Railroads and Railways	0	0	0	0	0	0
Interdepartmental	141	0	2	100	0	1,116
Total Revenues from Sales to Ultimate Consumers	231,145	6,845	8,793	22,094	1,149,632	375,473
Sales for Resale	22,726	202	270	0	90,199	80,396
Total Revenues from Sales of Electricity	253,871	7,047	9,063	22,094	1,239,831	455,869
Less: Provision for Rate Refunds	0	0	0	0	0	0
Net Revenues from Sales of Electricity	253,871	7,047	9,063	22,094	1,239,831	455,869
Other Operating Revenues	68,306	141	18	1,345	5,870	2,757
Total Electric Utility Operating Revenues	322,177	7,188	9,081	23,439	1,245,701	458,626

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 - Annual Report of Major Electric Utilities, Licensees and Others.

**Table 39. Number of Consumers, Sales, and Operating Revenue
by Investor-Owned Electric Utility Within State,
1989 (Continued)**

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp	Wisconsin River Power Co
Number of Consumers on December 31		
Residential	285,668	0
Commercial	32,018	0
Industrial	119	0
Public Street and Highway Lighting	627	0
Other Public Authorities	0	0
Railroads and Railways	0	0
Interdepartmental	1	0
Total Ultimate Consumers	319,433	0
Sales for Resale	37	3
Total Number of Consumers	319,470	3
Sales for the Year (megawatthours)		
Residential	2,135,669	0
Commercial	2,203,541	0
Industrial	2,706,894	0
Public Street and Highway Lighting	37,730	0
Other Public Authorities	0	0
Railroads and Railways	0	0
Interdepartmental	3,535	0
Total Sales to Ultimate Consumers	7,087,369	0
Sales for Resale	1,869,695	127,914
Total Sales	8,957,064	127,914
Operating Revenues for the Year (thousand dollars)		
Residential	146,472	0
Commercial	123,655	0
Industrial	105,325	0
Public Street and Highway Lighting	3,638	0
Other to Public Authorities	0	0
Railroads and Railways	0	0
Interdepartmental	204	0
Total Revenues from Sales to Ultimate Consumers	379,294	0
Sales for Resale	62,929	4,995
Total Revenues from Sales of Electricity	442,224	4,995
(less) Provision for Rate Refunds	0	0
Net Revenues from Sales of Electricity	442,224	4,995
Other Operating Revenues	714	65
Total Electric Utility Operating Revenues	442,938	5,060

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989
(Thousand Dollars)

	Alabama	Alabama	Arizona	Arizona	Arizona	Arkansas
Item	Alabama Power Co	Southern Electric Generating Co	Arizona Public Service Co	Century Power Corp	Tucson Electric Power Co	Arkansas Power & Light Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	7,981	2,202	1,465	2,344	1,499	1,736
Fuel	637,324	113,096	192,578	90,610	82,502	224,716
Steam Expenses	8,843	1,232	10,867	5,272	3,088	1,593
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	5,576	720	2,793	1,240	1,704	3,233
Miscellaneous Steam Power Expenses	20,162	3,029	5,824	3,728	3,138	3,749
Rents	1,212	2,842	268	64,500	11,915	4,072
Total Operation Expenses	681,090	123,120	213,793	167,695	103,845	239,099
Maintenance Expenses						
Supervision and Engineering	7,824	2,009	4,042	1,180	1,032	1,378
Structures	4,697	850	1,651	832	756	962
Boiler Plant	34,340	5,980	32,081	7,938	6,051	5,004
Electric Plant	14,583	3,827	8,070	2,002	1,091	1,621
Miscellaneous Steam Plant	2,215	391	3,735	1,657	1,279	2,030
Total Maintenance Expenses	63,659	13,057	49,578	13,610	10,209	10,995
Total Steam Power Production Expenses	744,757	136,177	263,371	181,305	114,054	250,094
Nuclear Power						
Operation Expenses						
Supervision and Engineering	26,407	0	16,686	0	0	23,594
Fuel	75,128	0	19,507	0	0	71,404
Coolants and Water	1,847	0	3,145	0	0	3,444
Steam Expenses	21,845	0	11,183	0	0	5,753
Steam from Other Sources	0	0	0	0	0	68
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	1,723	0	1,595	0	0	32
Miscellaneous Nuclear Power Expenses	20,070	0	25,891	0	0	42,754
Rents	615	0	45,885	0	0	5,984
Total Operation Expenses	147,635	0	123,891	0	0	153,034
Maintenance Expenses						
Supervision and Engineering	10,368	0	10,631	0	0	4,178
Structures	2,730	0	4,179	0	0	3,238
Reactor Plant Equipment	28,974	0	7,246	0	0	3,173
Electric Plant	12,455	0	3,818	0	0	2,388
Miscellaneous Nuclear Plant	4,199	0	12,664	0	0	45,095
Total Maintenance Expenses	58,726	0	38,537	0	0	58,072
Total Nuclear Power Production Expenses	206,361	0	162,428	0	0	211,106
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	1,701	0	28	0	0	128
Water for Power	633	0	0	0	0	128
Hydraulic Expenses	916	0	15	0	0	0
Electric Expenses	802	0	-22	0	0	428
Miscellaneous Hydraulic Expenses	3,797	0	141	0	0	146
Rents	79	0	0	0	0	0
Total Operation Expenses	7,928	0	164	0	0	829

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Maintenance Expenses						
Supervision and Engineering	1,795	0	27	0	0	49
Structures	807	0	31	0	0	209
Reservoirs, Dams and Waterways	1,397	0	92	0	0	38
Electric Plant	1,677	0	52	0	0	30
Miscellaneous Hydraulic Plant	289	0	74	0	0	153
Total Maintenance Expenses	5,965	0	277	0	0	480
Total Hydraulic Power Production Expenses	13,693	0	440	0	0	1,309
Other Power						
Operation Expenses						
Supervision and Engineering	-8	20	158	0	61	27
Fuel	0	50	23,770	0	387	1,275
Generation Expenses	1	0	1,000	0	2	0
Miscellaneous Other Power Expenses	0	0	232	0	67	33
Rents	1	0	0	0	1,014	1,330
Total Operation Expenses	-6	70	25,159	0	1,531	2,666
Maintenance Expenses						
Supervision and Engineering	-1	6	221	0	12	2
Structures	0	9	57	0	5	28
Generating and Electric Plant	0	15	1,718	0	154	149
Miscellaneous Other Power Plant	0	0	660	0	3	46
Total Maintenance Expenses	-1	30	2,656	0	174	224
Total Other Power Production Expenses	-7	100	27,815	0	1,705	2,890
Other Power Supply Expenses						
Purchased Power	47,572	0	33,224	65,020	197,748	379,095
System Control and Load Dispatching	4,704	0	889	150	972	3,320
Other Expenses	2,241	0	475	0	-2,512	-18,653
Total Other Power Supply Expenses	54,517	0	34,588	65,170	196,208	363,762
Total Power Production Expenses	1,019,522	136,278	488,642	246,475	311,968	829,160
Transmission						
Operation Expenses						
Supervision and Engineering	5,824	22	1,183	0	303	380
Load Dispatching	0	0	1,310	0	634	296
Station Expenses	3,140	94	394	0	59	484
Overhead Line Expenses	508	3	224	0	34	276
Underground Line Expenses	1	0	0	0	0	0
Transmission of Electricity by Others	0	0	3,378	0	2,405	207
Miscellaneous Transmission Expenses	1,595	0	405	0	128	528
Rents	942	310	515	0	368	112
Total Operation Expenses	12,010	430	7,409	0	3,929	2,283

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Maintenance Expenses						
Supervision and Engineering	934	34	13	0	314	362
Structures	273	0	83	0	47	10
Station Equipment	5,075	407	2,718	0	948	1,569
Overhead Lines	8,213	181	1,340	0	94	1,528
Underground Lines	1	0	61	0	0	0
Miscellaneous Transmission Plant	350	0	41	0	73	62
Total Maintenance Expenses	14,847	622	4,240	0	1,474	3,551
Total Transmission Expenses	26,857	1,052	11,648	0	5,403	5,634
Distribution						
Operation Expenses						
Supervision and Engineering	2,621	0	1,730	0	636	1,822
Load Dispatching	0	0	571	0	214	200
Station Expenses	1,268	0	338	0	220	1,882
Overhead Line Expenses	2,851	0	1,087	0	309	1,535
Underground Line Expenses	311	0	1,722	0	156	511
Street Lighting and Signal System Expenses	1,168	0	320	0	18	417
Meter Expenses	4,758	0	4,847	0	367	3,839
Customer Installations Expenses	1,639	0	882	0	147	585
Miscellaneous Distribution Expenses	4,877	0	2,938	0	1,751	2,474
Rents	192	0	1,203	0	227	1,482
Total Operation Expenses	19,484	0	15,638	0	4,044	14,747
Maintenance Expenses						
Supervision and Engineering	2,003	0	851	0	86	1,891
Structures	285	0	175	0	7	28
Station Equipment	4,338	0	1,801	0	1,062	2,657
Overhead Lines	39,872	0	5,935	0	1,894	11,442
Underground Lines	1,097	0	6,944	0	486	1,015
Line Transformers	1,499	0	1,079	0	426	1,052
Street Lighting and Signal Systems	2,056	0	1,349	0	45	547
Meters	525	0	124	0	361	513
Miscellaneous Distribution Plant	1,077	0	328	0	676	223
Total Maintenance Expenses	52,752	0	18,565	0	5,043	19,368
Total Distribution Expenses	72,236	0	34,223	0	9,088	34,115
Customer Accounts Expenses						
Supervision	5,248	0	2,420	0	114	102
Meter Reading Expenses	7,541	0	5,110	0	1,210	4,573
Customer Records and Collection Expenses	22,520	0	13,459	0	4,790	18,872
Uncollectible Accounts	2,846	0	4,697	0	982	4,307
Miscellaneous Customer Accounts Expenses	0	0	1,509	0	0	256
Total Customer Accounts Expenses	38,155	0	27,195	0	7,096	27,710
Customer Service and Information Expenses						
Supervision	846	0	610	0	0	451
Customer Assistance Expenses	17,433	0	9,443	0	36	2,410
Informational and Instructional Expenses	4,376	0	381	0	220	146
Miscellaneous Customer Service and Informational Expenses	401	0	723	0	5	157
Total Customer Service and Informational Expenses	22,856	0	11,157	0	261	3,166

*See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Alabama	Alabama	Arizona	Arizona	Arizona	Arkansas
Item	Alabama Power Co.	Southern Electric Generating Co.	Arizona Public Service Co.	Century Power Corp.	Tucson Electric Power Co.	Arkansas Power & Light Co.
Sales Expenses						
Supervision	113	0	41	0	0	785
Demonstrating and Selling Expenses	3,747	0	1,530	0	0	3,440
Advertising Expenses	0	0	209	0	75	458
Miscellaneous Sales Expenses	464	0	435	0	268	117
Total Sales Expenses	3,718	0	2,214	0	342	4,801
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	33,055	563	21,921	1,209	7,254	21,751
Office Supplies and Expenses	19,792	113	16,156	300	4,966	8,596
Other Administrative Expenses						
Transferred (credit)	(3,493)	185	20,806	9	2,670	129
Outside Services Employed	26,988	357	10,741	1,378	0,137	14,137
Property Insurance	6,179	244	5,893	723	1,091	9,119
Insurance And Damages	12,473	107	10,230	837	3,452	4,347
Employee Pensions And Benefits	46,321	1,724	15,598	2,330	4,800	20,448
Franchise Requirements	128	0	16,730	0	0	0
Regulatory Commission Expenses	5,146	474	3,806	641	1,248	340
Interest/Duplicate Charges (credit)	1,475	0	9,258	0	959	3,404
General Advertising Expenses	2,350	0	162	0	0	689
Miscellaneous General Expenses	4,447	59	22,945	266	1,294	5,071
Rents	1,790	110	4,981	153	780	3,206
Total Operation Expenses	153,165	3,573	63,228	7,627	26,192	64,172
Maintenance of General Plant	6,685	0	6,767	62	411	2,313
Total Administrative and General Expenses	159,850	3,573	69,995	7,689	26,603	66,485
Total Electric Operation and Maintenance Expenses	1,343,194	140,902	645,075	254,365	362,760	991,271
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	112,728	0	73,833	6,938	2,891	59,016
Transmission	10,015	0	4,926	0	1,458	3,094
Distribution	23,545	0	22,120	0	4,777	20,518
Customer Accounts	21,596	0	17,221	0	3,923	10,333
Customer Service and Informational Expenses	10,591	0	3,604	0	96	2,272
Sales Expenses	1,901	0	1,170	0	0	2,442
Administrative and General	32,617	0	22,357	1,343	6,752	22,026
Allocated from Clearing Accounts	33,967	0	11,724	766	4,221	0
Total Salaries and Wages	246,955	0	156,955	6,746	24,121	120,101
Number of Electric Department Employees						
Regular Full-time Employees	9,616	0	7,787	230	1,049	4,734
Part-time and Temporary Employees	119	0	344	0	7	31
Total Electric Department Employees	9,737	0	8,181	230	1,056	4,765

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	California	California	California	Colorado	Connecticut	Connecticut
	Pacific Gas & Electric Co.	San Diego Gas & Electric Co.	Southern California Edison Co.	Public Service Co. of Colorado	Citywide Utilities Co.	Connecticut Light & Power Co.
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	7,210	1,664	10,478	5,785	183	4,548
Fuel	744,629	167,666	767,669	161,883	1,127	224,467
Steam Expenses	12,274	3,820	18,551	7,529	163	8,587
Steam from Other Sources	128,532	0	0	0	0	0
Loss Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	28,722	3,233	6,653	6,697	0	4,918
Miscellaneous Steam Power Expenses	20,150	1,667	14,145	8,072	66	12,110
Rents	1,249	9,481	192	12	49	19
Total Operation Expenses	942,667	187,171	818,278	189,978	1,548	252,529
Maintenance Expenses						
Supervision and Engineering	9,404	753	13,085	9,114	79	1,735
Structures	760	9,954	7,309	3,717	30	4,670
Boiler Plant	54,741	3,613	59,566	17,289	357	17,933
Electric Plant	41,146	3,062	31,379	5,336	31	9,351
Miscellaneous Steam Plant	5,389	511	16,897	992	0	2,906
Total Maintenance Expenses	91,500	11,793	134,237	36,452	497	36,595
Total Steam Power Production Expenses	1,034,367	198,964	952,515	226,430	2,045	289,124
Nuclear Power						
Operation Expenses						
Supervision and Engineering	62,278	11,334	44,297	3,314	0	24,716
Fuel	112,819	31,770	143,270	0	0	108,634
Condensate and Water	7,852	1,446	5,464	682	0	4,698
Steam Expenses	10,296	4,808	18,694	1,479	0	13,554
Steam from Other Sources	0	0	0	0	0	0
Loss Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	3,366	585	2,132	366	0	5,393
Miscellaneous Nuclear Power Expenses	38,695	15,019	56,412	27,575	0	43,215
Rents	0	738	730	26	0	6,517
Total Operation Expenses	235,108	65,099	272,997	33,500	0	208,727
Maintenance Expenses						
Supervision and Engineering	7,748	8,112	25,829	9,491	0	8,976
Structures	1,523	3,481	12,972	275	0	2,825
Reactor Plant Equipment	3,746	6,606	23,874	2,638	0	42,298
Electric Plant	8,025	4,609	12,227	1,045	0	9,986
Miscellaneous Nuclear Plant	50,693	5,177	24,372	2,807	0	3,281
Total Maintenance Expenses	77,733	28,005	98,275	16,487	0	66,366
Total Nuclear Power Production Expenses	312,841	93,105	371,272	49,987	0	275,092
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	1,590	0	1,886	307	121	1,598
Water for Power	3,440	0	1,113	29	34	0
Hydraulic Expenses	3,583	0	1,816	153	3	677
Electric Expenses	3,794	0	1,834	463	213	1,522
Miscellaneous Hydraulic Expenses	4,979	0	1,650	153	112	1,071
Rents	4,217	0	670	237	0	1,622
Total Operation Expenses	23,933	0	8,769	1,336	479	6,689

See footnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	California	California	California	Colorado	Connecticut	Connecticut
Item	Pacific Gas & Electric Co	San Diego Gas & Electric Co	Southern California Edison Co	Public Service Co of Colorado	Citizens Utilities Co	Connecticut Light & Power Co
Maintenance Expenses						
Supervision and Engineering	3,547	0	1,443	283	0	836
Structures	259	0	1,382	107	0	226
Reservoirs, Dams and Waterways	4,957	0	2,071	112	66	820
Electric Plant	7,922	0	3,455	272	17	1,629
Miscellaneous Hydraulic Plant	1,915	0	3,158	73	0	482
Total Maintenance Expenses	18,600	0	11,508	877	83	3,993
Total Hydraulic Power Production Expenses	41,693	0	20,278	2,212	563	10,682
Other Power						
Operation Expenses						
Supervision and Engineering	56	10	1,204	99	264	220
Fuel	3,422	16,785	85,510	1,127	10,402	3,995
Generation Expenses	489	43	2,773	31	336	200
Miscellaneous Other Power Expenses	318	113	2,395	25	38	427
Rents	0	44	13	0	0	0
Total Operation Expenses	4,284	16,995	91,895	1,281	11,040	4,842
Maintenance Expenses						
Supervision and Engineering	124	114	1,757	89	80	36
Structures	1	199	762	27	0	203
Generating and Electric Plant	259	1,779	8,258	86	864	7,386
Miscellaneous Other Power Plant	680	58	1,108	22	0	3
Total Maintenance Expenses	1,064	2,151	11,884	224	944	3,627
Total Other Power Production Expenses	5,348	19,145	103,780	1,505	11,984	8,469
Other Power Supply Expenses						
Purchased Power	890,369	294,100	1,637,534	269,680	47,665	64,551
System Control and Load Dispatching	0	1,579	250	2,456	0	4,906
Other Expenses	2,205	1,358	190,238	8,338	0	4,031
Total Other Power Supply Expenses	892,574	297,036	1,828,022	280,474	47,665	73,488
Total Power Production Expenses	2,286,823	608,250	3,275,866	560,608	62,257	656,855
Transmission						
Operation Expenses						
Supervision and Engineering	2,920	933	7,107	457	51	3,213
Load Dispatching	4,053	1,197	3,896	95	10	0
Station Expenses	8,751	277	16,491	385	10	980
Overhead Line Expenses	3,355	572	1,398	819	26	279
Underground Line Expenses	132	0	108	0	0	26
Transmission of Electricity by Others	5,703	10,701	12,438	1,647	0	7,266
Miscellaneous Transmission Expenses	2,877	848	5,006	117	42	2,779
Rents	75	329	653	38	46	687
Total Operation Expenses	27,867	14,857	47,097	3,557	183	15,229

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	California Pacific Gas & Electric Co.	California San Diego Gas & Electric Co.	California Southern California Edison Co.	Colorado Public Service Co. of Colorado	Connecticut Citizens Utilities Co.	Connecticut Connecticut Light & Power Co.
Maintenance Expenses						
Supervision and Engineering	1,664	158	4,447	682	128	902
Structures	108	3	1,455	73	0	95
Station Equipment	10,398	1,706	11,676	688	232	5,630
Overhead Lines	1,856	1,671	10,753	933	495	2,782
Underground Lines	222	14	77	53	0	231
Miscellaneous Transmission Plant	63	0	3,065	178	0	28
Total Maintenance Expenses	22,195	3,556	31,473	2,609	855	9,667
Total Transmission Expenses	50,052	18,412	78,570	6,166	1,038	24,896
Distribution						
Operation Expenses						
Supervision and Engineering	19,724	1,620	21,673	4,165	95	9,800
Load Dispatching	0	854	0	341	4	3,154
Station Expenses	9,970	2,496	9,775	2,249	24	2,766
Overhead Line Expenses	18,516	1,284	6,964	2,543	265	5,393
Underground Line Expenses	4,713	1,177	6,661	3,449	26	1,140
Street Lighting and Signal System Expenses	2,285	176	1,038	715	2	898
Meter Expenses	22,687	3,237	14,676	3,618	631	5,858
Customer Installations Expenses	13,081	1,826	10,819	1,082	35	1,398
Miscellaneous Distribution Expenses	33,067	8,045	15,123	4,993	270	5,272
Rents	97	166	1,909	117	20	1,190
Total Operation Expenses	124,148	20,880	69,638	23,473	1,372	36,869
Maintenance Expenses						
Supervision and Engineering	13,413	409	11,007	1,690	158	6,319
Structures	198	42	4,672	57	10	129
Station Equipment	9,051	1,379	8,125	1,110	306	4,944
Overhead Lines	59,975	9,406	23,064	8,530	1,822	47,848
Underground Lines	9,769	1,918	7,473	3,814	118	6,179
Line Transformers	11,152	608	6,509	68	159	3,672
Street Lighting and Signal Systems	1,710	181	1,728	1,350	86	2,466
Meters	982	940	2,147	607	29	183
Miscellaneous Distribution Plant	188	39	11,224	186	2	256
Total Maintenance Expenses	106,437	14,922	75,948	17,411	2,690	71,997
Total Distribution Expenses	230,585	35,802	164,586	40,884	4,061	108,866
Customer Accounts Expenses						
Supervision	4,841	378	8,331	941	84	1,414
Meter Reading Expenses	19,246	4,041	24,908	4,182	512	9,753
Customer Records and Collection Expenses	66,490	15,854	72,964	13,902	1,180	20,042
Uncollectible Accounts	18,742	3,685	14,641	6,457	109	9,345
Miscellaneous Customer Accounts Expenses	7,713	94	2,025	8,299	160	1,114
Total Customer Accounts Expenses	117,033	24,052	122,868	33,782	2,045	41,668
Customer Service and Information Expenses						
Supervision	3,163	866	2,177	525	99	1,310
Customer Assistance Expenses	58,754	3,676	49,181	2,251	9	18,418
Informational and Instructional Expenses	2,720	299	4,202	387	66	1,519
Miscellaneous Customer Service and Informational Expenses	6,140	721	-6,038	620	1	1,188
Total Customer Service and Informational Expenses	70,778	5,562	49,522	3,783	176	22,435

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	California	California	California	Colorado	Connecticut	Connecticut
Item	Pacific Gas & Electric Co.	San Diego Gas & Electric Co.	Southern California Edison Co.	Public Service Co of Colorado	Citizens Utilities Co.	Connecticut Light & Power Co.
Sales Expenses						
Supervision	487	5	0	0	3	0
Demonstrating and Selling Expenses	3,557	2,143	0	0	8	0
Advertising Expenses	0	0	0	445	21	0
Miscellaneous Sales Expenses	234	532	0	0	0	0
Total Sales Expenses	4,278	2,679	0	445	32	0
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	137,769	17,336	108,726	25,025	882	39,737
Office Supplies and Expenses	64,247	9,885	26,604	22,846	556	22,379
(less) Administrative Expenses Transferred (credit)	36,773	5,256	24,954	102	0	4,523
Outside Services Employed	19,365	1,498	32,810	1,687	3,693	6,256
Property Insurance	19,478	3,345	14,520	3,236	97	8,502
Injuries And Damages	40,157	5,758	32,502	4,038	613	10,700
Employee Pensions And Benefits	127,818	12,157	121,798	33,173	1,753	37,525
Franchise Requirements	38,959	22,482	49,203	0	0	0
Regulatory Commission Expenses	41	3,850	4,706	503	210	5,141
(less) Duplicate Charges (credit)	0	1,377	0	1,312	0	0
General Advertising Expenses	0	100	1,168	1,203	4	98
Miscellaneous General Expenses	55,051	9,198	51,355	5,710	125	7,046
Rents	16,768	1,872	2,835	10,952	59	13,225
Total Operation Expenses	482,881	80,847	421,272	106,968	7,992	146,186
Maintenance of General Plant	3,672	2,177	14,270	1,003	258	5,333
Total Administrative and General Expenses	486,553	83,024	435,542	107,971	8,250	151,519
Total Electric Operation and Maintenance Expenses	3,246,101	777,782	4,126,955	753,640	77,859	1,006,239
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	180,455	11,138	126,899	48,160	1,665	26,062
Transmission	28,321	3,414	33,926	2,442	298	4,011
Distribution	129,887	12,065	72,127	23,762	2,071	37,915
Customer Accounts	72,951	8,699	66,170	13,134	1,222	16,884
Customer Service and Informational Expenses	21,326	1,528	16,568	3,444	94	4,473
Sales Expenses	2,857	1,432	0	209	6	0
Administrative and General	107,860	16,834	120,104	37,357	942	5,710
Allocated from Clearing Accounts	32,445	26,386	98,909	7,475	53	15,035
Total Salaries and Wages	576,104	81,496	534,704	134,985	6,351	112,091
Number of Electric Department Employees						
Regular Full-time Employees	18,065	3,119	16,627	4,637	295	3,535
Part-time and Temporary Employees	0	33	930	0	11	21
Total Electric Department Employees	18,065	3,152	17,557	4,637	306	3,556

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Power Production Expenses						
Steam Power						
Operation Expenses:						
Supervision and Engineering	0	0	2,725	2,928	5,452	10,648
Fuel	0	0	163,028	196,820	411,132	731,975
Steam Expenses	0	0	4,215	6,698	12,393	17,114
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	55	0	0
Electric Expenses	0	0	1,416	3,127	7,719	1,796
Miscellaneous Steam Power Expenses	0	0	3,362	6,978	12,509	31,765
Rents	0	0	8	25	19	39
Total Operation Expenses	0	0	174,753	216,521	449,224	793,336
Maintenance Expenses:						
Supervision and Engineering	0	0	57	1,303	12,860	18,631
Structures	0	0	4,530	1,401	3,904	6,823
Boiler Plant	0	0	16,588	15,496	26,411	39,815
Electric Plant	0	0	3,414	4,612	10,479	30,361
Miscellaneous Steam Plant	0	0	308	1,065	3,921	11,912
Total Maintenance Expenses	0	0	24,796	24,777	57,578	107,542
Total Steam Power Production Expenses	0	0	199,549	241,298	506,802	900,878
Nuclear Power						
Operation Expenses:						
Supervision and Engineering	14,378	0	474	9,404	0	70,182
Fuel	28,458	0	1,936	11,469	0	121,743
Coolants and Water	1,849	0	105	36	0	1,883
Steam Expenses	5,750	0	220	3,679	0	7,908
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	2,006	0	106	325	0	154
Miscellaneous Nuclear Power Expenses	22,864	0	864	7,763	0	98,907
Rents	1,145	0	24	130	0	40
Total Operation Expenses	76,450	0	3,729	32,804	0	300,818
Maintenance Expenses:						
Supervision and Engineering	3,174	0	179	4,110	0	47,747
Structures	2,740	0	68	397	0	7,899
Reactor Plant Equipment	20,637	0	364	5,267	0	54,077
Electric Plant	9,449	0	312	1,867	0	16,262
Miscellaneous Nuclear Plant	1,974	0	50	1,073	0	9,157
Total Maintenance Expenses	37,974	0	973	10,569	0	135,161
Total Nuclear Power Production Expenses	114,424	0	4,702	43,373	0	435,979
Hydraulic Power						
Operation Expenses:						
Supervision and Engineering	0	0	0	0	0	0
Water for Power	0	0	0	0	0	0
Hydraulic Expenses	0	0	0	0	0	0
Electric Expenses	0	0	0	0	0	0
Miscellaneous Hydraulic Expenses	0	0	0	0	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	0	0	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	0	0
Structures	0	0	0	0	0	0
Reservoirs, Dams and Waterways	0	0	0	0	0	0
Electric Plant	0	0	0	0	0	0
Miscellaneous Hydraulic Plant	0	0	0	0	0	0
Total Maintenance Expenses	0	0	0	0	0	0
Total Hydraulic Power Production Expenses	0	0	0	0	0	0
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	0	24	21	1,021
Fuel	0	0	73	8,329	13,858	73,966
Generation Expenses	0	0	0	144	116	1,753
Miscellaneous Other Power Expenses	0	0	0	11	0	3,950
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	73	8,509	14,006	80,692
Maintenance Expenses						
Supervision and Engineering	0	0	0	16	82	1,419
Structures	0	0	0	0	0	1,039
Generating and Electric Plant	0	0	35	640	1,221	6,680
Miscellaneous Other Power Plant	0	0	0	1	0	836
Total Maintenance Expenses	0	0	35	656	1,303	9,974
Total Other Power Production Expenses	0	0	108	9,164	15,308	90,666
Other Power Supply Expenses						
Purchased Power	0	698	-1,308	24,626	82,844	890,834
System Control and Load Dispatching	0	0	1,560	2,954	5,687	3,280
Other Expenses	0	0	191	-16,549	0	-42,963
Total Other Power Supply Expenses	0	698	443	11,032	88,531	851,151
Total Power Production Expenses	114,424	698	204,801	304,868	610,641	2,278,674
Transmission						
Operation Expenses						
Supervision and Engineering	83	0	1,741	676	41	7,729
Load Dispatching	0	0	0	597	0	2,334
Station Expenses	1	1	547	1,401	10	2,480
Overhead Line Expenses	0	0	7	26	63	2,219
Underground Line Expenses	0	0	18	0	63	102
Transmission of Electricity by Others	0	0	5,513	2,563	0	1,668
Miscellaneous Transmission Expenses	148	0	6	1,092	217	1,505
Rents	0	0	2,174	618	142	103
Total Operation Expenses	233	1	10,004	6,972	536	18,141

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co.	Connecticut Holyoke Power & Electric Co.	Connecticut United Illuminating Co.	Delaware Delmarva Power & Light Co.	District of Columbia Potomac Electric Power Co.	Florida Florida Power & Light Co.
Maintenance Expenses						
Supervision and Engineering	18	0	1	313	42	2,587
Structures	0	0	60	0	90	159
Station Equipment	78	0	998	1,388	2,243	8,717
Overhead Lines	0	1	60	1,436	884	15,195
Underground Lines	0	0	42	0	129	524
Miscellaneous Transmission Plant	0	0	0	84	1,190	1
Total Maintenance Expenses	96	1	1,160	3,219	6,520	27,183
Total Transmission Expenses	329	2	11,164	10,191	7,056	45,324
Distribution						
Operation Expenses						
Supervision and Engineering	0	0	4,662	1,132	234	26,362
Load Dispatching	0	0	0	660	0	0
Station Expenses	0	86	1,876	1,072	1,909	4,998
Overhead Line Expenses	0	7	1,133	890	1,417	23,898
Underground Line Expenses	0	0	1,003	810	2,475	8,809
Street Lighting and Signal System Expenses	0	0	174	339	1,092	2,905
Meter Expenses	0	6	2,621	1,521	2,434	11,601
Customer Installations Expenses	0	0	687	692	1,669	5,170
Miscellaneous Distribution Expenses	0	0	882	6,952	160	35,529
Rents	0	0	1,230	1,234	899	4,889
Total Operation Expenses	0	72	16,544	16,258	14,474	123,232
Maintenance Expenses						
Supervision and Engineering	0	0	26	2,321	288	9,147
Structures	0	0	120	0	1,159	1,080
Station Equipment	0	6	850	1,661	5,429	8,545
Overhead Lines	0	0	8,640	3,843	12,354	58,285
Underground Lines	0	0	80	1,747	4,217	15,030
Line Transformers	0	0	168	321	1,317	2,054
Street Lighting and Signal Systems	0	0	354	341	645	4,362
Meters	0	0	45	191	357	972
Miscellaneous Distribution Plant	0	0	582	93	786	1,545
Total Maintenance Expenses	0	6	11,700	16,624	26,491	100,920
Total Distribution Expenses	0	79	28,244	32,882	40,965	224,152
Customer Accounts Expenses						
Supervision	0	0	264	911	1,548	7,261
Meter Reading Expenses	0	0	1,609	2,453	5,029	11,359
Customer Records and Collection Expenses	0	0	8,048	7,614	19,299	72,947
Uncollectible Accounts	0	0	4,578	1,015	1,750	15,933
Miscellaneous Customer Accounts Expenses	0	0	29	69	434	863
Total Customer Accounts Expenses	0	5	14,527	12,068	29,560	108,188
Customer Service and Information Expenses						
Supervision	0	0	1,351	1,223	288	9,679
Customer Assistance Expenses	0	0	3,169	1,517	2,674	18,849
Informational and Instructional Expenses	0	0	893	453	1,151	5,655
Miscellaneous Customer Service and Informational Expenses	0	0	1	1,319	379	4,604
Total Customer Service and Informational Expenses	0	0	5,415	4,513	4,490	38,787

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Sales Expenses						
Supervision	0	0	0	0	123	529
Demonstrating and Selling Expenses	0	0	110	373	683	3,341
Advertising Expenses	0	0	0	90	0	0
Miscellaneous Sales Expenses	0	0	0	0	0	0
Total Sales Expenses	0	0	110	403	806	3,864
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	128	0	12,425	18,250	25,603	88,845
Office Supplies and Expenses	3,449	4	7,313	9,496	13,901	52,834
Other Administrative Expenses	0	0	165	4,669	5,192	1,914
Transferred (credit)	0	0	0	0	0	0
Outside Services Employed	6,056	0	3,477	2,113	4,246	14,067
Property Insurance	4,220	0	764	1,093	3,319	18,744
Repairs And Damages	14,719	0	3,854	3,045	7,025	22,479
Employee Pensions And Benefits	5,486	0	8,859	10,729	29,150	64,035
Franchise Requirements	0	0	0	0	0	0
Regulatory Commission Expenses	225	86	2,308	1,111	1,179	1,724
Interest/Duplicate Charges (credit)	0	0	806	1,121	0	0
General Advertising Expenses	0	0	509	711	245	353
Miscellaneous General Expenses	281	0	1,216	5,090	6,573	20,275
Rents	11,712	0	4,111	1,311	1,021	7,639
Total Operation Expenses	22,599	86	43,571	43,970	89,359	289,982
Maintenance of General Plant	241	0	763	182	1,440	4,692
Total Administrative and General Expenses	22,846	86	44,333	44,153	90,799	294,674
Total Electric Operation and Maintenance Expenses	137,598	869	308,596	409,078	784,317	2,993,664
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	0	0	19,421	25,941	57,241	195,914
Transmission	0	0	2,096	5,086	4,511	21,436
Distribution	0	0	14,710	22,985	22,892	124,194
Customer Accounts	0	0	6,866	7,453	18,587	68,215
Customer Service and Informational Expenses	0	0	3,511	2,825	1,329	17,861
Sales Expenses	0	0	0	307	517	2,965
Administrative and General	0	0	13,338	16,888	27,204	82,952
Allocated from Clearing Accounts	0	0	1,075	4,750	9,899	12,200
Total Salaries and Wages	0	0	57,018	81,229	142,179	525,737
Number of Electric Department Employees						
Regular Full-time Employees	262	0	1,604	2,283	0	15,124
Part-time and Temporary Employees	0	0	23	39	0	0
Total Electric Department Employees	262	0	1,627	2,322	0	15,124

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Florida	Florida	Florida	Georgia	Georgia	Hawaii
Item	Florida Power Corp.	Gulf Power Co.	Tampa Electric Co.	Georgia Power Co.	Savannah Electric & Power Co.	Hawaiian Electric Co. Inc.
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	2,846	3,342	2,862	14,318	786	956
Fuel	469,721	180,778	333,208	934,779	43,888	218,779
Steam Expenses	6,189	3,279	8,726	15,985	1,597	3,902
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	141	0	0	0	5,374	0
Electric Expenses	4,228	4,105	3,303	8,051	1,253	3,672
Miscellaneous Steam Power Expenses	13,277	5,358	5,949	41,138	1,057	1,518
Rents	240	26	14	47	0	0
Total Operation Expenses	496,359	196,888	354,061	1,014,319	43,207	228,826
Maintenance Expenses						
Supervision and Engineering	6,858	2,749	958	12,424	510	1,977
Structures	2,266	2,937	4,385	6,335	368	830
Boiler Plant	20,232	17,238	26,810	58,506	2,719	5,861
Electric Plant	11,904	8,181	8,463	18,066	1,904	4,155
Miscellaneous Steam Plant	3,479	1,472	1,151	5,490	487	479
Total Maintenance Expenses	44,738	32,578	41,767	100,732	5,989	13,062
Total Steam Power Production Expenses	541,098	229,465	395,828	1,115,051	49,196	241,888
Nuclear Power						
Operation Expenses						
Supervision and Engineering	21,134	0	0	22,300	0	0
Fuel	19,833	0	0	126,909	0	0
Lighting and Water	0	0	0	812	0	0
Steam Expenses	285	0	0	16,507	0	0
Steam from Other Sources	141	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	423	0	0
Miscellaneous Nuclear Power Expenses	11,736	0	0	25,038	0	0
Rents	0	0	0	1	0	0
Total Operation Expenses	58,122	0	0	192,010	0	0
Maintenance Expenses						
Supervision and Engineering	95,126	0	0	15,373	0	0
Structures	1,242	0	0	3,225	0	0
Reactor Plant Equipment	8,730	0	0	12,558	0	0
Electric Plant	2,113	0	0	3,795	0	0
Miscellaneous Nuclear Plant	1,481	0	0	8,175	0	0
Total Maintenance Expenses	48,686	0	0	43,126	0	0
Total Nuclear Power Production Expenses	106,808	0	0	235,136	0	0
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	0	1,136	0	0
Water for Power	0	0	0	409	0	0
Hydraulic Expenses	0	0	0	1,513	0	0
Electric Expenses	0	0	0	1,749	0	0
Miscellaneous Hydraulic Expenses	0	0	0	1,715	0	0
Rents	0	0	0	31	0	0
Total Operation Expenses	0	0	0	6,555	0	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Florida Florida Power Corp	Florida Gulf Power Co	Florida Tampa Electric Co	Georgia Georgia Power Co	Georgia Savannah Electric & Power Co	Hawaii Hawaiian Electric Co Inc
Maintenance Expenses						
Supervision and Engineering	0	0	0	1,636	0	0
Structures	0	0	0	470	0	0
Reservoirs, Dams and Waterways	0	0	0	381	0	0
Electric Plant	0	0	0	2,259	0	0
Miscellaneous Hydraulic Plant	0	0	0	307	0	0
Total Maintenance Expenses	0	0	0	5,053	0	0
Total Hydraulic Power Production Expenses	0	0	0	11,607	0	0
Other Power						
Operation Expenses						
Supervision and Engineering	342	0	0	499	28	1
Fuel	27,240	117	3,142	5,403	336	3,289
Generation Expenses	262	16	1	282	0	502
Miscellaneous Other Power Expenses	604	1	4	682	1	0
Rents	0	0	0	2	551	186
Total Operation Expenses	28,388	133	3,147	6,868	915	3,978
Maintenance Expenses						
Supervision and Engineering	448	0	0	408	40	26
Structures	165	1	1	219	16	41
Generating and Electric Plant	2,736	58	925	670	114	501
Miscellaneous Other Power Plant	788	5	2	212	1	42
Total Maintenance Expenses	4,587	63	933	1,510	170	609
Total Other Power Production Expenses	32,975	197	4,081	8,378	1,086	4,587
Other Power Supply Expenses						
Purchased Power	105,649	10,979	22,770	515,032	18,408	6,265
System Control and Load Dispatching	1,473	939	0	12,956	696	0
Other Expenses	20	8,780	19,609	3,904	0	0
Total Other Power Supply Expenses	107,146	3,138	42,379	531,927	19,104	6,265
Total Power Production Expenses	788,027	232,800	442,287	1,902,099	69,385	252,740
Transmission						
Operation Expenses						
Supervision and Engineering	175	356	800	2,889	68	709
Load Dispatching	1,254	440	1,084	2,383	7	948
Station Expenses	1,047	181	833	2,163	126	322
Overhead Line Expenses	669	236	144	586	10	282
Underground Line Expenses	27	0	0	35	0	29
Transmission of Electricity by Others	0	0	0	0	0	0
Miscellaneous Transmission Expenses	2,058	234	567	1,719	11	175
Rents	26	3,212	10	5,671	0	78
Total Operation Expenses	5,857	4,659	3,239	15,445	223	2,543

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Florida Power Corp	Florida Gulf Power Co	Florida Tampa Electric Co	Georgia Power Co	Georgia Savannah Electric & Power Co	Hawaii Hawaiian Electric Co Inc
Maintenance Expenses						
Supervision and Engineering	145	315	0	1,861	39	223
Structures	237	2	40	111	0	3
Station Equipment	2,754	514	3,460	5,729	175	459
Overhead Lines	2,088	751	1,174	6,554	159	1,018
Underground Lines	116	0	0	0	0	16
Miscellaneous Transmission Plant	2	96	0	3	0	126
Total Maintenance Expenses	5,341	1,677	2,674	14,257	373	1,844
Total Transmission Expenses	11,198	6,336	6,112	29,701	596	4,388
Distribution						
Operation Expenses						
Supervision and Engineering	4,640	778	1,064	6,329	581	951
Load Dispatching	0	135	0	956	422	204
Station Expenses	1,086	244	862	2,757	503	381
Overhead Line Expenses	2,051	740	567	3,341	705	219
Underground Line Expenses	1,290	406	212	2,975	164	269
Street Lighting and Signal System Expenses	56	232	656	1,060	151	0
Meter Expenses	1,961	1,202	2,575	3,906	582	656
Customer Installation Expenses	1,019	268	1,889	3,573	233	576
Miscellaneous Distribution Plant	9,440	805	3,846	4,797	2,612	2,261
Rents	381	9	14	1,416	8	8
Total Operation Expenses	22,957	4,880	11,784	37,112	5,961	5,527
Maintenance Expenses						
Supervision and Engineering	975	750	881	5,534	124	703
Structures	539	5	121	152	2	270
Station Equipment	2,301	557	1,174	5,531	421	506
Overhead Lines	14,107	5,117	7,002	27,465	4,300	1,372
Underground Lines	3,042	806	785	7,004	203	1,516
Line Transformers	1,764	581	432	8,952	191	523
Street Lighting and Signal Systems	1,402	279	1,590	2,410	215	0
Meters	6,710	94	436	767	14	39
Miscellaneous Distribution Plant	723	100	19	91	60	9
Total Maintenance Expenses	24,930	8,309	11,950	55,905	5,529	4,938
Total Distribution Expenses	47,888	13,189	23,734	93,017	11,490	10,465
Customer Accounts Expenses						
Supervision	1,519	386	461	4,952	5	254
Meter Reading Expenses	8,790	1,444	1,913	9,212	411	1,333
Customer Records and Collection Expenses	17,119	5,139	12,082	35,593	2,305	3,868
Uncollectible Accounts	2,090	627	1,973	11,902	520	367
Miscellaneous Customer Accounts Expenses	1,851	71	0	3,226	22	0
Total Customer Accounts Expenses	31,255	6,413	16,428	64,885	3,264	5,841
Customer Service and Information Expenses						
Supervision	137	351	0	5,834	26	0
Customer Assistance Expenses	43,134	4,050	14,526	19,852	240	0
Informational and Instructional Expenses	869	1,034	583	4,769	42	0
Miscellaneous Customer Service and Information Expenses	283	345	0	4,568	100	0
Total Customer Service and Information Expenses	44,423	5,778	15,109	35,023	408	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Florida	Florida	Florida	Georgia	Georgia	Hawaii
Item	Florida Power Corp.	Gulf Power Co.	Tampa Electric Co.	Georgia Power Co.	Savannah Electric & Power Co.	Hawaiian Electric Co. Inc.
Sales Expenses						
Supervision	68	50	20	0	36	116
Demonstrating and Selling Expenses	827	922	262	13,372	232	1,033
Advertising Expenses	267	404	112	412	252	198
Miscellaneous Sales Expenses	0	0	1	0	566	74
Total Sales Expenses	1,162	1,376	395	13,784	1,086	1,421
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	19,240	9,771	15,446	45,229	3,410	8,194
Office Supplies and Expenses	5,690	3,349	9,457	18,036	1,611	4,860
Less: Administrative Expenses (Transferred Credit)	58	936	4,177	4,345	128	2,621
Outside Services Employed	1,827	8,839	2,503	47,275	2,029	1,184
Property Insurance	5,744	1,805	1,835	8,967	444	1,468
Injuries And Damages	5,492	1,623	2,893	14,213	719	3,253
Employee Pensions And Benefits	21,560	5,548	21,898	44,051	3,119	10,864
Franchise Requirements	0	0	0	0	0	0
Regulatory Commission Expenses	337	1,437	812	4,048	0	0
Revolving Duplicate Charges (credit)	3,629	32	0	3,595	0	0
General Advertising Expenses	194	214	115	3,078	91	2
Miscellaneous General Expenses	16,500	3,237	4,567	624	1,166	3,207
Rents	1,275	208	3,330	4,865	0	720
Total Operation Expenses	74,173	35,064	58,680	182,446	12,461	31,130
Maintenance of General Plant	3,085	1,668	2,984	13,097	219	162
Total Administrative and General Expenses	77,257	36,732	61,664	195,543	12,680	31,292
Total Electric Operation and Maintenance Expenses	1,001,210	302,625	565,729	2,334,052	98,910	306,147
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	98,025	13,791	35,135	171,137	7,804	13,461
Transmission	7,077	1,216	3,562	16,448	380	2,238
Distribution	28,204	5,563	13,016	56,691	4,854	5,090
Customer Accounts	18,814	4,286	8,067	34,461	1,786	3,322
Customer Service and Informational Expenses	8,159	3,055	3,489	17,865	307	891
Sales Expenses	489	555	265	7,820	382	0
Administrative and General	22,961	10,206	17,505	52,567	3,733	8,779
Allocated from Clearing Accounts	2,422	2,469	4,956	4,922	282	0
Total Salaries and Wages	176,152	41,143	85,995	361,916	19,528	33,781
Number of Electric Department Employees						
Regular Full-time Employees	5,577	1,571	2,902	13,744	624	1,405
Part-time and Temporary Employees	726	43	53	156	19	14
Total Electric Department Employees	6,303	1,614	2,955	13,900	643	1,419

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Hawaii Maui Electric Co. Ltd.	Idaho Idaho Power Co.	Illinois Central Illinois Light Co.	Illinois Central Illinois Pub. Serv. Co.	Illinois Commonwealth Edison Co.	Illinois Electric Energy Inc.
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	106	1,619	111	4,258	21,286	515
Fuel	6,565	77,024	93,074	166,093	466,094	98,592
Steam Expenses	526	4,470	4,697	14,285	19,310	3,335
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	471	2,652	1,016	9,522	63,153	882
Miscellaneous Steam Power Expenses	94	1,187	1,649	4,251	14,761	1,269
Rents	0	463	0	0	0	0
Total Operation Expenses	7,668	89,615	101,146	194,148	539,831	101,704
Maintenance Expenses						
Supervision and Engineering	136	1,978	1,803	3,440	6,242	212
Structures	148	1,114	1,235	3,947	10,671	295
Boiler Plant	607	9,096	9,234	114,918	57,563	9,002
Electric Plant	414	2,505	2,260	7,772	16,160	2,574
Miscellaneous Steam Plant	27	1,126	561	1,670	12,230	190
Total Maintenance Expenses	1,359	15,859	14,593	36,741	108,487	12,273
Total Steam Power Production Expenses	9,027	105,474	115,739	230,889	648,318	113,977
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	179,546	0
Fuel	0	0	0	0	431,477	0
Chemicals and Water	0	0	0	0	14,442	0
Steam Expenses	0	0	0	0	15,795	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	0	15,659	0
Miscellaneous Nuclear Power Expenses	0	0	0	0	93,009	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	0	914,869	0
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	46,923	0
Structures	0	0	0	0	17,061	0
Reactor Plant Equipment	0	0	0	0	71,454	0
Electric Plant	0	0	0	0	16,544	0
Miscellaneous Nuclear Plant	0	0	0	0	36,971	0
Total Maintenance Expenses	0	0	0	0	202,889	0
Total Nuclear Power Production Expenses	0	0	0	0	1,117,758	0
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	1,394	0	0	1	0
Water for Power	0	2,861	0	0	0	0
Hydraulic Expenses	0	1,368	0	0	0	0
Electric Expenses	0	2,408	0	0	19	0
Miscellaneous Hydraulic Expenses	0	1,492	0	0	0	0
Rents	0	274	0	0	0	0
Total Operation Expenses	0	9,707	0	0	20	0

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Hawaii	Idaho	Illinois	Indiana	Illinois	Illinois
	Mau Electric Co Ltd	Idaho Power Co	Central Illinois Light Co	Central Illinois Pub Serv Co	Commonwealth Edison Co	Electric Energy Inc
Maintenance Expenses						
Supervision and Engineering	0	358	0	0	0	0
Structures	0	859	0	0	149	0
Reservoirs, Dams and Waterways	0	743	0	0	21	0
Electric Plant	0	1,080	0	0	28	0
Miscellaneous Hydraulic Plant	0	425	0	0	8	0
Total Maintenance Expenses	0	3,458	0	0	206	0
Total Hydraulic Power Production Expenses	0	13,178	0	0	226	0
Other Power						
Operation Expenses						
Supervision and Engineering	961	0	0	0	85	0
Fuel	18,238	103	84	2	1,166	0
Generating Expenses	1,742	8	0	0	5,117	0
Miscellaneous Other Power Expenses	144	11	1	0	8	0
Rents	165	0	0	0	0	0
Total Operation Expenses	21,739	120	85	2	1,727	0
Maintenance Expenses						
Supervision and Engineering	194	0	0	0	162	0
Structures	34	0	0	0	129	0
Generating and Electric Plant	2,257	66	13	0	8,914	0
Miscellaneous Other Power Plant	157	4	0	0	0	0
Total Maintenance Expenses	2,560	70	13	0	9,605	0
Total Other Power Production Expenses	24,299	190	98	2	11,332	0
Other Power Supply Expenses						
Purchased Power	6,249	43,841	430	58,873	19,808	45,465
System Control and Load Dispatching	0	337	683	1,285	3,664	0
Other Expenses	0	1,052	1,341	1,818	18,345	0
Total Other Power Supply Expenses	6,249	49,234	42	56,769	5,126	45,465
Total Power Production Expenses	39,575	169,075	115,879	174,123	1,782,760	159,442
Transmission						
Operation Expenses						
Supervision and Engineering	44	847	327	697	2,245	85
Load Dispatching	125	1,017	329	591	3,071	308
Station Expenses	30	231	133	555	13,862	16
Overhead Line Expenses	28	159	16	290	651	33
Underground Line Expenses	0	0	0	0	725	0
Transmission of Electricity by Others	0	2,027	0	0	226	0
Miscellaneous Transmission Expenses	17	352	50	225	1,205	0
Rents	81	1,184	8	715	858	0
Total Operation Expenses	325	5,817	858	3,072	22,643	441

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Hawaii Main Electric Co Ltd	Idaho Idaho Power Co	Illinois Central Illinois Light Co	Illinois Central Illinois Pub. Serv. Co	Illinois Commonwealth Edison Co	Illinois Electric Energy Inc.
Maintenance Expenses						
Supervision and Engineering	21	470	45	493	178	0
Structures	0	61	28	44	1,179	0
Station Equipment	173	858	305	1,690	12,977	22
Overhead Lines	58	1,075	273	1,917	3,995	112
Underground Lines	0	0	0	0	1,299	0
Miscellaneous Transmission Plant	16	134	0	1,046	0	0
Total Maintenance Expenses	268	2,598	651	5,190	19,632	134
Total Transmission Expenses	591	8,415	1,506	8,262	42,275	575
Distribution						
Operation Expenses						
Supervision and Engineering	194	1,332	786	1,569	4,981	0
Load Dispatching	126	1,175	516	166	1,697	0
Station Expenses	76	1,035	511	469	10,310	0
Overhead Line Expenses	247	1,025	583	1,432	11,058	0
Underground Line Expenses	56	391	443	324	15,737	0
Street Lighting and Signal System Expenses	49	139	449	170	435	0
Meter Expenses	295	2,460	1,084	1,842	9,589	17
Customer Installations Expenses	32	496	420	87	14,304	0
Miscellaneous Distribution Expenses	279	679	1,221	906	4,148	0
Rents	49	121	260	43	404	0
Total Operation Expenses	1,402	8,852	6,273	7,029	72,662	17
Maintenance Expenses						
Supervision and Engineering	94	1,507	303	902	637	0
Structures	29	102	154	12	319	0
Station Equipment	72	2,108	495	1,605	7,479	0
Overhead Lines	508	5,024	4,653	8,221	53,074	0
Underground Lines	66	913	573	483	18,009	0
Line Transformers	56	1,432	116	352	3,104	0
Street Lighting and Signal Systems	24	63	97	234	1,127	0
Meters	72	194	201	208	1,406	0
Miscellaneous Distribution Plant	0	41	0	470	257	0
Total Maintenance Expenses	872	11,385	6,592	12,495	85,413	0
Total Distribution Expenses	2,273	20,237	12,865	19,524	158,074	17
Customer Accounts Expenses						
Supervision	158	115	233	580	713	0
Meter Reading Expenses	257	2,141	1,155	2,734	18,870	0
Customer Records and Collection Expenses	772	6,655	3,046	4,572	66,476	0
Uncollectible Accounts	72	1,344	353	1,450	35,393	0
Miscellaneous Customer Accounts Expenses	0	-1	71	211	0	0
Total Customer Accounts Expenses	1,260	10,253	4,858	9,547	121,451	0
Customer Service and Information Expenses						
Supervision	1	358	75	311	1,049	0
Customer Assistance Expenses	0	3,759	574	1,695	3,483	0
Informational and Instructional Expenses	0	626	267	665	1,688	0
Miscellaneous Customer Service and Informational Expenses	176	143	63	426	180	0
Total Customer Service and Informational Expenses	178	4,886	979	3,096	6,400	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Hawaii Maui Electric Co. Ltd.	Idaho Idaho Power Co.	Illinois Central Illinois Light Co.	Illinois Central Illinois Pub. Serv. Co.	Illinois Commonwealth Edison Co.	Illinois Electric Energy Inc.
Sales Expenses						
Supervision	0	0	0	0	666	0
Demonstrating and Selling Expenses	72	0	120	58	6,832	0
Advertising Expenses	0	0	338	42	0	0
Miscellaneous Sales Expenses	0	0	54	0	0	0
Total Sales Expenses	72	0	512	100	7,499	0
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	992	12,507	3,800	7,231	72,113	1,076
Office Supplies and Expenses	276	3,775	1,926	1,870	13,957	113
(less) Administrative Expenses Transferred (credit)	158	358	445	21	6,734	0
Outside Services Employed	1,187	1,479	2,126	2,426	20,264	508
Property Insurance	230	1,948	565	3,341	26,949	450
Injuries And Damages	591	6,103	1,936	2,303	24,532	336
Employee Pensions And Benefits	2,090	10,817	5,558	8,581	119,263	2,943
Franchise Requirements	0	1	546	77	15,000	0
Regulatory Commission Expenses	0	1,865	95	580	8,909	66
(less) Duplicate Charges (credit)	0	0	514	315	15,110	0
General Advertising Expenses	0	165	240	0	5,006	2
Miscellaneous General Expenses	627	1,876	1,129	2,228	58,334	29
Rents	0	230	109	277	3,681	3
Total Operation Expenses	5,835	40,406	17,070	28,578	346,162	5,526
Maintenance of General Plant	62	814	362	1,835	3,523	5
Total Administrative and General Expenses	5,897	41,220	17,432	30,412	349,685	5,532
Total Electric Operation and Maintenance Expenses	49,849	253,086	154,034	245,066	2,468,143	165,566
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	3,941	4,914	12,695	24,285	338,265	12,742
Transmission	209	1,945	697	3,239	22,079	390
Distribution	1,068	10,792	6,949	9,122	69,906	15
Customer Accounts	599	6,220	2,941	5,863	63,435	0
Customer Service and Informational Expenses	135	2,112	657	1,768	4,812	0
Sales Expenses	0	0	176	0	4,444	0
Administrative and General	1,035	12,786	3,612	8,760	62,699	1,087
Allocated from Clearing Accounts	1,207	3,892	2,756	18,261	91,477	0
Total Salaries and Wages	8,194	42,661	30,483	71,298	657,116	14,234
Number of Electric Department Employees						
Regular Full-time Employees	242	1,528	977	1,713	17,558	310
Part-time and Temporary Employees	0	42	13	60	0	50
Total Electric Department Employees	242	1,570	990	1,773	17,558	360

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Illinois Power Co	Illinois Mt Carmel Public Utility Co	Indiana Alcoa Generating Corp	Indiana AEP Generating Co	Indiana Commonwealth Edison Co of Indiana Inc	Indiana Michigan Power Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	4,130	0	1,513	1,299	1,511	4,223
Fuel	223,432	0	59,644	57,506	16,100	168,605
Steam Expenses	5,799	0	2,071	602	2,223	3,714
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	3,065	0	0	0
Electric Expenses	3,868	153	820	313	2,074	1,652
Miscellaneous Steam Power Expenses	4,999	2	743	1,275	1,799	6,255
Rents	12	0	0	4,519	11	4,592
Total Operation Expenses	242,242	155	61,725	66,513	23,719	189,039
Maintenance Expenses						
Supervision and Engineering	2,672	0	402	631	605	1,869
Structures	1,234	5	457	615	1,864	1,964
Boiler Plant	17,459	0	6,545	4,706	5,850	16,378
Electric Plant	7,593	0	2,041	1,140	3,435	4,263
Miscellaneous Steam Plant	1,313	0	618	677	835	2,664
Total Maintenance Expenses	30,270	5	10,063	7,769	12,589	27,138
Total Steam Power Production Expenses	272,512	160	71,788	74,283	36,308	216,177
Nuclear Power						
Operation Expenses						
Supervision and Engineering	16,035	0	0	0	0	23,545
Fuel	31,791	0	0	0	0	81,278
Coolants and Water	867	0	0	0	0	1,533
Steam Expenses	20,741	0	0	0	0	19,878
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	1,027	0	0	0	0	1,361
Miscellaneous Nuclear Power Expenses	14,267	0	0	0	0	35,969
Rents	0	0	0	0	0	390
Total Operation Expenses	84,727	0	0	0	0	163,954
Maintenance Expenses						
Supervision and Engineering	11,949	0	0	0	0	14,210
Structures	1,699	0	0	0	0	7,101
Reactor Plant Equipment	9,043	0	0	0	0	15,030
Electric Plant	1,333	0	0	0	0	4,863
Miscellaneous Nuclear Plant	994	0	0	0	0	3,610
Total Maintenance Expenses	25,019	0	0	0	0	44,814
Total Nuclear Power Production Expenses	109,746	0	0	0	0	208,768
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	22	0	0	0	0	84
Water for Power	1	0	0	0	0	0
Hydraulic Expenses	0	0	0	0	0	247
Electric Expenses	2	0	0	0	0	17
Miscellaneous Hydraulic Expenses	11	0	0	0	0	116
Rents	0	0	0	0	0	1
Total Operation Expenses	36	0	0	0	0	465

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Illinois Illinois Power Co	Illinois Mt. Carmel Public Utility Co	Indiana Alcoa Generating Corp	Indiana AEP Generating Co	Indiana Commonwealth Edison Co of Indiana Inc	Indiana Indiana Michigan Power Co
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	0	27
Structures	2	0	0	0	0	152
Reservoirs, Dams and Waterways	1	0	0	0	0	252
Electric Plant	24	0	0	0	0	509
Miscellaneous Hydraulic Plant	1	0	0	0	0	51
Total Maintenance Expenses	28	0	0	0	0	992
Total Hydraulic Power Production Expenses	64	0	0	0	0	1,457
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	0	0
Fuel	244	0	0	0	0	2
Generation Expenses	19	0	0	0	0	0
Miscellaneous Other Power Expenses	19	0	0	0	0	0
Rents	0	0	0	0	0	380
Total Operation Expenses	282	0	0	0	0	383
Maintenance Expenses						
Supervision and Engineering	1	0	0	0	0	0
Structures	0	0	0	0	0	37
Generating and Electric Plant	83	0	0	0	0	0
Miscellaneous Other Power Plant	2	0	0	0	0	44
Total Maintenance Expenses	86	0	0	0	0	81
Total Other Power Production Expenses	368	0	0	0	0	464
Other Power Supply Expenses						
Purchased Power	-33,276	7,248	25,607	5,512	0	25,376
System Control and Load Dispatching	495	0	0	0	0	1,941
Other Expenses	-2,755	0	0	3,073	0	2,955
Total Other Power Supply Expenses	-35,537	7,248	25,607	8,585	0	30,272
Total Power Production Expenses	347,153	7,407	97,395	82,867	36,308	457,137
Transmission						
Operation Expenses						
Supervision and Engineering	63	0	2	0	0	2,316
Load Dispatching	542	0	6	0	0	1,274
Station Expenses	397	0	0	0	310	1,538
Overhead Line Expenses	39	0	0	0	1	596
Underground Line Expenses	0	0	0	0	0	0
Transmission of Electricity by Others	0	0	0	0	0	-37,022
Miscellaneous Transmission Expenses	76	0	0	0	0	2,245
Rents	635	0	0	0	2	864
Total Operation Expenses	1,753	0	8	0	313	-28,166

See endnotes at end of an individual electric utility.

**Table 40. Electric Operation and Maintenance Expenses by
Investor-Owned Electric Utility Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Illinois Illinois Power Co	Illinois Mt Carmel Public Utility Co	Indiana Alcoa Generating Corp	Indiana AEP Generating Co	Indiana Commonwealth Edison Co of Indiana Inc	Indiana Indiana Michigan Power Co
Maintenance Expenses						
Supervision and Engineering	74	0	2	0	0	1,974
Structures	33	0	0	0	2	266
Station Equipment	1,284	3	0	0	80	3,747
Overhead Lines	1,220	1	0	0	4	3,747
Underground Lines	0	0	0	0	1	2
Miscellaneous Transmission Plant	0	0	0	0	0	100
Total Maintenance Expenses	2,610	4	3	0	87	9,835
Total Transmission Expenses	4,363	4	11	0	400	-18,353
Distribution						
Operation Expenses						
Supervision and Engineering	1,505	96	0	0	0	3,361
Load Dispatching	0	3	0	0	0	350
Station Expenses	1,528	1	0	0	0	921
Overhead Line Expenses	1,184	50	0	0	0	774
Underground Line Expenses	156	0	0	0	0	665
Street Lighting and Signal System Expenses	424	0	0	0	0	258
Meter Expenses	2,915	53	0	0	0	2,182
Customer Installations Expenses	478	11	0	0	0	1,182
Miscellaneous Distribution Expenses	2,320	27	0	0	0	5,611
Rents	75	0	0	0	0	1,869
Total Operation Expenses	10,584	240	0	0	0	17,174
Maintenance Expenses						
Supervision and Engineering	1,759	51	0	0	0	2,666
Structures	26	0	0	0	0	166
Station Equipment	1,595	0	0	0	0	1,378
Overhead Lines	14,648	198	0	0	0	9,342
Underground Lines	1,011	0	0	0	0	2,109
Line Transformers	1,435	9	0	0	0	1,429
Street Lighting and Signal Systems	938	3	0	0	0	330
Meters	262	20	0	0	0	796
Miscellaneous Distribution Plant	4	0	0	0	0	469
Total Maintenance Expenses	21,678	281	0	0	0	18,685
Total Distribution Expenses	32,262	521	0	0	0	35,859
Customer Accounts Expenses						
Supervision	1,584	0	0	0	0	1,132
Meter Reading Expenses	2,748	37	0	0	0	3,091
Customer Records and Collection Expenses	5,533	90	0	0	0	12,448
Uncollectible Accounts	2,837	19	0	0	0	1,870
Miscellaneous Customer Accounts Expenses	1,063	0	0	0	0	526
Total Customer Accounts Expenses	13,764	146	0	0	0	19,067
Customer Service and Information Expenses						
Supervision	178	0	0	0	0	618
Customer Assistance Expenses	527	0	0	0	0	1,810
Informational and Instructional Expenses	653	0	0	0	0	648
Miscellaneous Customer Service and Informational Expenses	6	0	0	0	0	817
Total Customer Service and Informational Expenses	1,364	0	0	0	0	3,894

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Illinois Illinois Power Co	Illinois Mt Carmel Public Utility Co	Indiana Alcoa Generating Corp	Indiana AEP Generating Co	Indiana Commonwealth Edison Co of Indiana Inc	Indiana Indiana Michigan Power Co
Sales Expenses						
Supervision	0	7	0	0	0	0
Demonstrating and Selling Expenses	1,564	0	0	0	0	34
Advertising Expenses	297	11	0	0	0	1,331
Miscellaneous Sales Expenses	67	-21	0	0	0	1,133
Total Sales Expenses	1,928	-4	0	0	0	2,499
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	28,600	250	198	540	956	10,020
Office Supplies and Expenses	8,689	17	32	353	0	5,464
(less) Administrative Expenses						
Transferred (credit)	5,580	0	0	38	104	839
Outside Services Employed	9,492	38	760	182	51	991
Property Insurance	5,967	25	118	259	212	6,642
Injuries And Damages	6,795	177	28	143	78	3,724
Employee Pensions And Benefits	19,976	172	19	589	2,081	12,847
Franchise Requirements	1,447	5	0	0	0	4
Regulatory Commission Expenses	5,785	1	3	210	73	4,458
(less) Duplicate Charges (credit)	1,464	0	0	281	0	2,374
General Advertising Expenses	1,341	0	0	0	0	1,532
Miscellaneous General Expenses	3,147	10	0	97	192	2,618
Rents	5,858	0	0	123	0	2,470
Total Operation Expenses	90,052	696	1,158	2,177	3,539	47,556
Maintenance of General Plant	2,330	28	0	82	0	2,679
Total Administrative and General Expenses	92,383	724	1,158	2,259	3,539	50,235
Total Electric Operation and Maintenance Expenses	493,217	8,798	98,563	85,126	40,247	550,336
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	54,123	158	0	0	5,241	48,283
Transmission	1,430	2	0	0	334	7,928
Distribution	10,382	401	0	0	0	18,675
Customer Accounts	4,605	94	0	0	0	7,085
Customer Service and Informational Expenses	1,029	0	0	0	0	1,679
Sales Expenses	1,180	4	0	0	0	29
Administrative and General	24,604	275	0	0	8	11,207
Allocated from Clearing Accounts	25,576	16	0	0	1,749	6,979
Total Salaries and Wages	122,930	950	0	0	11,332	101,865
Number of Electric Department Employees						
Regular Full-time Employees	2,156	23	0	0	287	3,451
Part-time and Temporary Employees	1,413	0	0	0	0	32
Total Electric Department Employees	3,569	23	0	0	287	3,483

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 40. Electric Operation and Maintenance Expenses by
Investor-Owned Electric Utility Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	3,040	2,943	11,527	523	714	374
Fuel	136,222	246,185	370,888	82,358	56,843	36,544
Steam Expenses	4,004	18,620	11,226	8,556	1,739	2,241
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	437	0	6	4,692
Electric Expenses	3,981	5,093	5,140	937	1,316	1,385
Miscellaneous Steam Power Expenses	6,407	8,054	5,431	1,302	894	1,230
Rents	61	1	0	459	48	1,102
Total Operation Expenses	153,715	280,896	403,775	94,136	61,548	38,185
Maintenance Expenses						
Supervision and Engineering	2,330	3,753	7,925	428	492	269
Structures	1,718	3,684	4,928	692	508	254
Boiler Plant	20,030	33,515	32,960	11,560	3,953	2,740
Electric Plant	12,368	8,395	10,260	4,448	2,878	1,549
Miscellaneous Steam Plant	1,635	3,611	2,140	461	265	481
Total Maintenance Expenses	38,079	52,956	58,213	17,589	8,096	5,294
Total Steam Power Production Expenses	191,795	333,855	461,988	111,725	69,643	43,479
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	0	3,882
Fuel	0	0	0	0	0	16,626
Coolants and Water	0	0	0	0	0	1,141
Steam Expenses	0	0	0	0	0	7,868
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	0	0	72
Miscellaneous Nuclear Power Expenses	0	0	0	0	0	9,073
Rents	0	0	0	0	0	273
Total Operation Expenses	0	0	0	0	0	38,935
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	0	2,451
Structures	0	0	0	0	0	282
Reactor Plant Equipment	0	0	0	0	0	1,405
Electric Plant	0	0	0	0	0	980
Miscellaneous Nuclear Plant	0	0	0	0	0	4,211
Total Maintenance Expenses	0	0	0	0	0	9,329
Total Nuclear Power Production Expenses	0	0	0	0	0	48,264
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	62	0	0	0	0
Water for Power	0	0	51	0	0	0
Hydraulic Expenses	0	22	75	0	0	3
Electric Expenses	0	21	8	0	0	39
Miscellaneous Hydraulic Expenses	0	50	98	0	0	78
Rents	0	0	57	0	0	0
Total Operation Expenses	0	155	290	0	0	121

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Maintenance Expenses						
Supervision and Engineering	0	47	0	0	0	0
Structures	0	41	10	0	0	11
Reservoirs, Dams and Waterways	0	16	66	0	0	8
Electric Plant	0	350	69	0	0	15
Miscellaneous Hydraulic Plant	0	14	21	0	0	6
Total Maintenance Expenses	0	468	167	0	0	40
Total Hydraulic Power Production Expenses	0	623	457	0	0	161
Other Power						
Operation Expenses						
Supervision and Engineering	4	28	0	14	6	3
Fuel	158	186	251	523	34	315
Generation Expenses	19	266	3	2	3	15
Miscellaneous Other Power Expenses	45	0	258	6	7	25
Rents	0	0	0	0	0	0
Total Operation Expenses	227	480	512	545	50	358
Maintenance Expenses						
Supervision and Engineering	7	43	3	10	2	0
Structures	0	0	30	6	7	54
Generating and Electric Plant	289	152	643	110	80	371
Miscellaneous Other Power Plant	4	0	0	11	1	14
Total Maintenance Expenses	300	195	675	138	89	439
Total Other Power Production Expenses	527	676	1,188	682	139	796
Other Power Supply Expenses						
Purchased Power	2,806	-3,172	-23,261	5,351	22,198	51,006
System Control and Load Dispatching	224	790	502	186	325	1,258
Other Expenses	0	176	12	45	96	307
Total Other Power Supply Expenses	3,030	-2,207	-22,748	5,582	22,619	52,572
Total Power Production Expenses	195,352	332,946	440,885	117,990	92,401	145,271
Transmission						
Operation Expenses						
Supervision and Engineering	250	1,429	1,264	49	401	276
Load Dispatching	278	1,041	68	140	288	1
Station Expenses	424	2,484	1,027	88	480	268
Overhead Line Expenses	64	459	333	9	92	281
Underground Line Expenses	1	0	0	0	0	0
Transmission of Electricity by Others	0	2,715	23	8	951	0
Miscellaneous Transmission Expenses	-7	443	1	31	36	26
Rents	404	47	-155	10	27	1,248
Total Operation Expenses	1,414	8,617	2,561	336	2,276	2,099

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Maintenance Expenses						
Supervision and Engineering	486	1,185	351	57	223	29
Structures	43	210	117	12	6	16
Station Equipment	2,233	2,240	2,304	379	597	610
Overhead Lines	972	1,675	2,884	667	547	1,788
Underground Lines	13	0	0	3	1	0
Miscellaneous Transmission Plant	25	221	7	5	0	1
Total Maintenance Expenses	3,777	5,530	5,663	1,124	1,374	2,444
Total Transmission Expenses	5,190	14,148	8,225	1,460	3,650	4,542
Distribution						
Operation Expenses						
Supervision and Engineering	412	2,413	4,745	104	954	491
Load Dispatching	444	40	0	3	10	0
Station Expenses	341	1,056	1,202	242	481	190
Overhead Line Expenses	236	1,292	81	324	646	982
Underground Line Expenses	1,082	761	-83	106	144	154
Street Lighting and Signal System Expenses	442	181	177	109	150	124
Meter Expenses	1,913	2,150	1,728	398	882	970
Customer Installations Expenses	2,212	958	751	34	269	-60
Miscellaneous Distribution Expenses	450	2,735	974	228	1,532	1,393
Rents	46	12	119	0	77	15
Total Operation Expenses	7,579	11,599	9,693	1,548	5,145	4,259
Maintenance Expenses						
Supervision and Engineering	837	1,397	3,965	180	435	256
Structures	36	101	85	20	4	180
Station Equipment	436	1,116	1,944	278	329	566
Overhead Lines	6,547	7,780	15,430	3,066	3,610	4,577
Underground Lines	2,048	511	1,550	286	133	247
Line Transformers	799	169	899	221	150	680
Street Lighting and Signal Systems	1,159	406	503	158	86	228
Meters	852	341	265	108	253	105
Miscellaneous Distribution Plant	369	883	567	82	1	412
Total Maintenance Expenses	13,483	12,703	25,208	4,399	5,000	7,251
Total Distribution Expenses	21,062	24,301	34,902	5,946	10,146	11,510
Customer Accounts Expenses						
Supervision	151	496	3,501	52	388	186
Meter Reading Expenses	2,413	2,476	3,438	543	1,028	1,260
Customer Records and Collection Expenses	6,015	10,716	7,162	1,068	2,095	5,042
Uncollectible Accounts	2,498	1,714	1,778	447	-69	766
Miscellaneous Customer Accounts Expenses	1,033	1,247	88	6	28	34
Total Customer Accounts Expenses	12,109	16,650	20,966	2,116	3,471	7,288
Customer Service and Information Expenses						
Supervision	3,207	213	559	49	117	0
Customer Assistance Expenses	2,191	755	590	110	469	119
Informational and Instructional Expenses	0	75	1,331	34	83	7
Miscellaneous Customer Service and Information Expenses	177	118	248	25	92	0
Total Customer Service and Information Expenses	5,576	1,161	2,728	217	760	126

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Sales Expenses						
Supervision	0	15	4,830	12	0	1
Demonstrating and Selling Expenses	0	221	3,448	196	0	139
Advertising Expenses	0	170	1,580	135	0	11
Miscellaneous Sales Expenses	0	672	290	22	0	0
Total Sales Expenses	0	1,078	10,148	364	0	151
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	10,081	21,951	31,879	2,531	3,324	7,958
Office Supplies and Expenses	1,662	13,042	13,481	952	706	1,443
(less) Administrative Expenses						
Transferred (credit)	239	10,444	785	1,110	484	1,574
Outside Services Employed	2,689	3,425	4,471	473	472	2,045
Property Insurance	1,305	1,488	2,124	607	490	3,569
Injuries And Damages	2,124	3,240	4,772	1,157	1,336	1,405
Employee Pensions And Benefits	11,956	27,785	28,616	2,973	4,342	4,434
Franchise Requirements	0	0	0	0	3	0
Regulatory Commission Expenses	854	249	1,471	202	543	1,523
(less) Duplicate Charges (credit)	0	63	964	0	481	386
General Advertising Expenses	0	303	37	0	0	0
Miscellaneous General Expenses	5,299	18,552	26,491	1,792	1,617	3,184
Rents	484	225	4,256	382	153	3,616
Total Operation Expenses	36,216	79,754	115,847	9,959	12,022	27,216
Maintenance of General Plant	901	646	4,493	1,117	764	215
Total Administrative and General Expenses	37,117	80,400	120,340	11,076	12,785	27,431
Total Electric Operation and Maintenance Expenses	276,406	470,683	638,194	139,169	123,213	196,318
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	29,160	46,405	44,814	8,209	5,446	17,764
Transmission	3,000	7,111	3,711	632	1,458	975
Distribution	12,896	13,763	16,253	2,804	6,936	4,915
Customer Accounts	7,824	7,299	11,776	1,163	2,638	2,382
Customer Service and Informational Expenses	2,476	885	505	145	589	20
Sales Expenses	0	154	4,346	67	0	100
Administrative and General	12,165	26,452	32,744	2,633	3,817	6,503
Allocated from Clearing Accounts	0	15,151	6,194	336	327	3,966
Total Salaries and Wages	67,521	117,221	120,342	15,989	21,210	36,625
Number of Electric Department Employees						
Regular Full-time Employees	2,144	3,083	3,998	783	777	1,367
Part-time and Temporary Employees	11	19	201	2	37	37
Total Electric Department Employees	2,155	3,102	4,199	785	814	1,404

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa Illinois Gas & Electric Co	Kansas Centel Corp	Kansas Gas & Electric Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	1,010	922	382	1,272	581	1,670
Fuel	52,639	51,248	29,894	52,571	28,090	84,173
Steam Expenses	1,563	1,679	615	2,498	1,414	3,045
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	1,194	738	502	1,217	1,098	1,620
Miscellaneous Steam Power Expenses	1,599	1,378	497	1,646	520	3,134
Rents	824	177	228	383	1	30,188
Total Operation Expenses	58,829	56,141	32,118	59,587	31,704	123,828
Maintenance Expenses						
Supervision and Engineering	596	849	374	925	274	1,636
Structures	269	320	177	382	164	1,681
Boiler Plant	5,090	4,209	1,435	4,955	2,077	12,270
Electric Plant	1,391	1,267	1,494	1,417	870	2,693
Miscellaneous Steam Plant	330	742	278	435	157	705
Total Maintenance Expenses	7,676	7,387	3,758	8,115	3,542	18,984
Total Steam Power Production Expenses	66,505	63,529	35,875	67,702	35,247	142,813
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	9,224	0	3,798
Fuel	0	0	0	16,346	0	14,939
Coolants and Water	0	0	0	704	0	986
Steam Expenses	0	0	0	4,677	0	4,218
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	346	0	225
Miscellaneous Nuclear Power Expenses	0	0	0	6,977	0	8,559
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	38,273	0	32,726
Maintenance Expenses						
Supervision and Engineering	0	0	0	1,941	0	2,364
Structures	0	0	0	586	0	1,524
Reactor Plant Equipment	0	0	0	4,809	0	2,834
Electric Plant	0	0	0	986	0	1,285
Miscellaneous Nuclear Plant	0	0	0	1,088	0	863
Total Maintenance Expenses	0	0	0	9,410	0	8,871
Total Nuclear Power Production Expenses	0	0	0	47,683	0	41,596
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	0	3	0	0
Water for Power	0	0	0	0	0	0
Hydraulic Expenses	0	0	0	18	0	0
Electric Expenses	0	0	0	2	0	0
Miscellaneous Hydraulic Expenses	0	0	0	4	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	27	0	0

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Iowa Iowa Power & Light Co	Iowa Iowa Public Service Co	Iowa Iowa Southern Utilities Co	Iowa Iowa Illinois Gas & Electric Co	Kansas Center Corp	Kansas Kansas Gas & Electric Co
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	0	0
Structures	0	0	0	0	0	0
Reservoirs, Dams and Waterways	0	0	0	12	0	0
Electric Plant	0	0	0	12	0	0
Miscellaneous Hydraulic Plant	0	0	0	0	0	0
Total Maintenance Expenses	0	0	0	25	0	0
Total Hydraulic Power Production Expenses	0	0	0	53	0	0
Other Power						
Operation Expenses						
Supervision and Engineering	2	0	0	4	18	0
Fuel	831	422	1	17	216	0
Generation Expenses	1	72	0	1	17	0
Miscellaneous Other Power Expenses	35	36	0	1	7	0
Rents	0	0	0	13	0	0
Total Operation Expenses	870	531	1	36	258	0
Maintenance Expenses						
Supervision and Engineering	61	0	0	1	25	0
Structures	13	18	0	1	1	0
Generating and Electric Plant	207	118	1	109	174	0
Miscellaneous Other Power Plant	6	162	0	0	6	0
Total Maintenance Expenses	288	298	1	111	206	0
Total Other Power Production Expenses	1,158	829	3	147	464	0
Other Power Supply Expenses						
Purchased Power	60,156	18,027	-4,575	-29,845	51,362	-15
System Control and Load Dispatching	688	704	509	707	508	861
Other Expenses	131	24	11	584	0	45
Total Other Power Supply Expenses	60,975	18,755	-4,055	-29,555	51,869	891
Total Power Production Expenses	128,639	83,112	31,824	87,030	87,580	185,300
Transmission						
Operation Expenses						
Supervision and Engineering	33	326	103	167	125	198
Load Dispatching	563	196	206	359	198	404
Station Expenses	249	352	62	192	201	317
Overhead Line Expenses	213	151	10	74	68	22
Underground Line Expenses	0	0	0	0	0	0
Transmission of Electricity by Others	0	0	102	0	295	0
Miscellaneous Transmission Expenses	1	90	15	100	0	1,379
Rents	631	453	22	1,043	15	791
Total Operation Expenses	1,692	1,568	520	1,933	901	3,111

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa Illinois Gas & Electric Co	Kansas Centel Corp	Kansas Kansas Gas & Electric Co
Maintenance Expenses						
Supervision and Engineering	25	126	121	82	153	206
Structures	16	37	2	11	0	18
Station Equipment	258	316	82	662	209	1,074
Overhead Lines	448	235	375	561	672	684
Underground Lines	0	0	0	1	0	4
Miscellaneous Transmission Plant	0	2	0	0	0	309
Total Maintenance Expenses	748	716	580	1,316	1,034	2,296
Total Transmission Expenses	2,439	2,284	1,100	3,250	1,935	5,407
Distribution						
Operation Expenses						
Supervision and Engineering	807	1,217	256	982	612	661
Load Dispatching	202	183	0	280	0	421
Station Expenses	490	231	82	555	105	344
Overhead Line Expenses	839	535	394	669	217	891
Underground Line Expenses	711	213	45	111	47	390
Street Lighting and Signal System Expenses	369	34	90	214	167	453
Meter Expenses	658	1,311	392	1,062	777	1,630
Customer Installations Expenses	990	244	153	200	159	640
Miscellaneous Distribution Expenses	2,014	952	386	1,279	81	913
Rents	388	48	15	8	19	2
Total Operation Expenses	7,457	4,968	1,812	5,358	2,183	6,345
Maintenance Expenses						
Supervision and Engineering	643	861	222	590	577	935
Structures	54	58	26	15	0	30
Station Equipment	401	604	132	916	585	593
Overhead Lines	7,142	2,275	1,726	4,091	2,439	5,194
Underground Lines	1,240	181	114	470	153	569
Line Transformers	380	149	36	242	376	557
Street Lighting and Signal Systems	166	352	10	53	117	256
Meters	202	61	106	323	71	290
Miscellaneous Distribution Plant	396	154	4	48	10	1,385
Total Maintenance Expenses	10,625	4,695	2,378	6,748	4,328	9,809
Total Distribution Expenses	18,091	9,662	4,190	12,106	6,511	16,154
Customer Accounts Expenses						
Supervision	814	324	159	246	684	362
Meter Reading Expenses	1,357	808	468	746	1,056	1,750
Customer Records and Collection Expenses	7,986	2,271	884	2,677	3,032	4,989
Uncollectible Accounts	830	280	29	653	316	1,876
Miscellaneous Customer Accounts Expenses	685	88	23	25	235	36
Total Customer Accounts Expenses	11,673	3,772	1,563	4,346	5,324	9,014
Customer Service and Information Expenses						
Supervision	98	175	112	49	124	167
Customer Assistance Expenses	1,150	158	260	594	63	1,148
Informational and Instructional Expenses	724	24	72	121	118	885
Miscellaneous Customer Service and Information Expenses	207	256	58	87	0	338
Total Customer Service and Information Expenses	2,178	613	502	851	305	2,537

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Iowa Iowa Power & Light Co	Iowa Iowa Public Service Co	Iowa Iowa Southern Utilities Co	Iowa Iowa Illinois Gas & Electric Co	Kansas Centel Corp	Kansas Kansas Gas & Electric Co
Sales Expenses						
Supervision	267	73	0	9	0	100
Demonstrating and Selling Expenses	795	700	0	146	0	641
Advertising Expenses	0	246	0	74	0	34
Miscellaneous Sales Expenses	746	158	0	0	0	120
Total Sales Expenses	1,808	1,177	0	229	0	896
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	8,291	4,135	2,288	6,653	5,159	16,024
Office Supplies and Expenses	2,409	4,639	393	2,565	1,118	7,009
(less) Administrative Expenses						
Transferred (credit)	3,069	174	0	1,506	907	330
Outside Services Employed	928	907	278	722	282	3,051
Property Insurance	1,874	762	818	1,679	575	3,021
Injuries And Damages	2,319	1,903	168	1,946	662	2,864
Employee Pensions And Benefits	7,238	3,796	1,863	2,750	2,602	10,842
Franchise Requirements	0	7	0	0	19	0
Regulatory Commission Expenses	635	223	121	362	239	2,163
(less) Duplicate Charges (credit)	1,973	358	-102	408	18	0
General Advertising Expenses	0	166	9	59	612	474
Miscellaneous General Expenses	4,631	1,448	832	1,828	1,624	3,524
Rents	1,011	1,196	34	218	494	580
Total Operation Expenses	24,293	18,651	6,907	16,666	12,399	49,221
Maintenance of General Plant	553	9	224	396	395	1,807
Total Administrative and General Expenses	24,846	18,660	7,130	17,262	12,794	51,027
Total Electric Operation and Maintenance Expenses	189,675	119,281	46,309	125,074	114,449	270,335
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	5,517	9,122	3,171	6,215	3,379	5,679
Transmission	733	889	378	936	704	1,875
Distribution	9,242	6,639	2,361	6,100	4,067	7,795
Customer Accounts	6,689	3,798	993	2,200	3,202	5,235
Customer Service and Informational Expenses	309	697	295	519	164	974
Sales Expenses	680	465	0	105	0	658
Administrative and General	5,565	4,753	2,270	6,324	2,633	13,179
Allocated from Clearing Accounts	4,855	1,927	1,422	4,929	520	2,428
Total Salaries and Wages	35,589	28,290	10,891	27,327	14,668	37,823
Number of Electric Department Employees						
Regular Full-time Employees	1,216	979	504	871	643	1,275
Part-time and Temporary Employees	39	31	26	55	17	55
Total Electric Department Employees	1,257	1,010	530	926	660	1,330

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	1,363	1,456	1,254	1,254	0	0
Fuel	151,202	74,198	164,761	125,885	0	0
Steam Expenses	5,681	1,412	4,818	20,478	0	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	71	0	0	0	0	0
Electric Expenses	2,845	633	3,383	4,025	0	0
Miscellaneous Steam Power Expenses	1,918	1,282	2,477	3,569	0	0
Rents	34	50	0	96	0	0
Total Operation Expenses	162,971	79,030	176,694	155,307	0	0
Maintenance Expenses						
Supervision and Engineering	1,035	969	2,831	1,989	0	0
Structures	1,262	836	2,452	2,532	0	0
Boiler Plant	13,086	9,029	15,434	16,231	0	0
Electric Plant	3,890	1,916	5,801	5,414	0	0
Miscellaneous Steam Plant	1,632	915	1,014	2,188	0	0
Total Maintenance Expenses	20,904	13,423	27,531	28,353	0	0
Total Steam Power Production Expenses	183,875	92,453	204,225	183,660	0	0
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	0	0
Fuel	0	0	0	0	0	0
Coolants and Water	0	0	0	0	0	0
Steam Expenses	0	0	0	0	0	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	0	0	0
Miscellaneous Nuclear Power Expenses	0	0	0	0	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	0	0	0
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	0	0
Structures	0	0	0	0	0	0
Reactor Plant Equipment	0	0	0	0	0	0
Electric Plant	0	0	0	0	0	0
Miscellaneous Nuclear Plant	0	0	0	0	0	0
Total Maintenance Expenses	0	0	0	0	0	0
Total Nuclear Power Production Expenses	0	0	0	0	0	0
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	0	92	0	0
Water for Power	0	0	0	0	0	0
Hydraulic Expenses	0	0	0	69	0	0
Electric Expenses	0	0	32	470	0	0
Miscellaneous Hydraulic Expenses	0	0	33	67	0	0
Rents	0	0	5	696	0	0
Total Operation Expenses	0	0	70	1,395	0	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
Maintenance Expenses						
Supervision and Engineering	0	0	112	52	0	0
Structures	0	0	21	26	0	0
Reservoirs, Dams and Waterways	0	0	72	18	0	0
Electric Plant	0	0	180	95	0	0
Miscellaneous Hydraulic Plant	0	0	41	232	0	0
Total Maintenance Expenses	0	0	426	423	0	0
Total Hydraulic Power Production Expenses	0	0	496	1,817	0	0
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	15	7	0	0
Fuel	1,517	0	53	44	0	0
Generation Expenses	219	0	31	11	0	0
Miscellaneous Other Power Expenses	3	0	14	54	0	0
Rents	0	0	0	30	0	0
Total Operation Expenses	1,739	0	113	146	0	0
Maintenance Expenses						
Supervision and Engineering	0	0	11	5	0	0
Structures	0	0	1	4	0	0
Generating and Electric Plant	441	0	19	104	0	0
Miscellaneous Other Power Plant	0	0	2	0	0	0
Total Maintenance Expenses	441	0	33	112	0	0
Total Other Power Production Expenses	2,180	0	147	259	0	0
Other Power Supply Expenses						
Purchased Power	146	54,166	21,231	2,086	0	103,983
System Control and Load Dispatching	811	603	1,324	638	0	0
Other Expenses	0	0	19	56	0	494
Total Other Power Supply Expenses	957	54,769	22,573	2,780	0	104,477
Total Power Production Expenses	187,012	147,222	227,441	188,516	0	104,477
Transmission						
Operation Expenses						
Supervision and Engineering	249	560	116	715	0	64
Load Dispatching	0	255	0	287	0	54
Station Expenses	468	136	665	1,910	6	28
Overhead Line Expenses	95	468	257	115	2	14
Underground Line Expenses	0	0	0	0	0	0
Transmission of Electricity by Others	0	-6,503	300	905	0	0
Miscellaneous Transmission Expenses	5	433	261	268	1	21
Rents	9	24	1,608	115	0	27
Total Operation Expenses	825	-4,625	3,208	4,314	9	208

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
Maintenance Expenses						
Supervision and Engineering	269	385	288	104	0	12
Structures	2	44	88	162	0	2
Station Equipment	1,634	626	1,398	806	70	9
Overhead Lines	1,386	1,033	2,823	299	2	89
Underground Lines	5	0	0	0	0	0
Miscellaneous Transmission Plant	27	24	16	13	0	0
Total Maintenance Expenses	3,323	2,113	4,612	1,385	73	112
Total Transmission Expenses	4,148	-2,511	7,820	5,699	82	320
Distribution						
Operation Expenses						
Supervision and Engineering	610	835	1,733	1,374	0	330
Load Dispatching	0	0	0	0	0	163
Station Expenses	611	89	1,349	1,975	0	177
Overhead Line Expenses	383	524	1,310	5,450	0	293
Underground Line Expenses	259	49	81	2,233	0	133
Street Lighting and Signal System Expenses	102	41	527	351	0	28
Meter Expenses	1,674	960	2,375	1,233	0	321
Customer Installations Expenses	280	389	281	191	0	322
Miscellaneous Distribution Expenses	1,606	2,111	1,638	3,271	0	641
Rents	54	432	81	135	0	566
Total Operation Expenses	5,579	5,430	9,374	16,214	0	2,972
Maintenance Expenses						
Supervision and Engineering	496	799	1,108	222	0	254
Structures	10	143	35	539	0	22
Station Equipment	816	433	1,033	701	0	229
Overhead Lines	7,427	6,835	8,963	7,348	0	2,260
Underground Lines	422	151	312	1,134	0	131
Line Transformers	195	725	1,000	849	0	175
Street Lighting and Signal Systems	282	60	435	728	0	127
Meters	223	199	103	278	0	165
Miscellaneous Distribution Plant	126	120	139	95	0	0
Total Maintenance Expenses	9,997	9,467	13,128	11,892	0	3,363
Total Distribution Expenses	15,576	14,897	22,503	28,106	0	6,335
Customer Accounts Expenses						
Supervision	740	372	1,561	759	0	152
Meter Reading Expenses	1,814	1,480	2,489	1,839	0	874
Customer Records and Collection Expenses	3,737	2,631	7,121	3,006	0	2,246
Uncollectible Accounts	595	420	465	1,036	0	1,160
Miscellaneous Customer Accounts Expenses	13	434	819	22	0	24
Total Customer Accounts Expenses	6,899	5,336	12,454	6,662	0	4,457
Customer Service and Information Expenses						
Supervision	422	289	495	59	0	44
Customer Assistance Expenses	369	819	2,116	730	0	436
Informational and Instructional Expenses	352	183	476	341	0	23
Miscellaneous Customer Service and Information Expenses	39	231	210	112	0	0
Total Customer Service and Information Expenses	1,181	1,522	3,297	1,242	0	503

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
Sales Expenses						
Supervision	160	0	157	0	0	39
Demonstrating and Selling Expenses	8	15	909	145	0	129
Advertising Expenses	13	297	41	199	0	12
Miscellaneous Sales Expenses	536	231	16	0	0	0
Total Sales Expenses	717	543	1,123	345	0	180
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	5,903	4,086	7,831	9,526	0	1,805
Office Supplies and Expenses	4,928	1,638	4,010	1,827	0	1,211
(less) Administrative Expenses						
Transferred (credit)	611	157	163	2,113	0	332
Outside Services Employed	1,107	527	1,378	2,563	0	196
Property Insurance	985	293	1,154	870	0	23
Injuries And Damages	953	1,676	3,105	2,912	0	378
Employee Pensions And Benefits	9,337	3,464	10,871	17,225	2	1,121
Franchise Requirements	0	123	0	14	0	0
Regulatory Commission Expenses	594	128	1,210	308	0	143
(less) Duplicate Charges (credit)	259	0	0	207	0	128
General Advertising Expenses	0	165	6	240	0	27
Miscellaneous General Expenses	2,590	353	3,677	1,261	0	926
Rents	2,282	77	459	2,479	0	788
Total Operation Expenses	27,808	12,672	33,540	36,905	2	6,158
Maintenance of General Plant	653	1,187	834	2,239	0	161
Total Administrative and General Expenses	28,461	13,859	34,373	39,174	2	6,319
Total Electric Operation and Maintenance Expenses	243,994	180,868	909,011	269,742	84	122,590
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	17,526	6,701	18,103	28,711	0	0
Transmission	1,635	1,449	1,616	2,961	0	185
Distribution	7,884	6,294	9,417	14,590	0	3,316
Customer Accounts	4,401	2,708	6,567	4,152	0	2,450
Customer Service and Informational Expenses	415	787	1,638	695	0	56
Sales Expenses	159	0	574	58	0	445
Administrative and General	5,952	4,074	7,904	9,826	0	1,777
Allocated from Clearing Accounts	4,643	2,207	6,677	10,538	0	130
Total Salaries and Wages	42,614	24,220	52,916	71,532	0	8,359
Number of Electric Department Employees						
Regular Full-time Employees	1,613	856	2,005	0	0	152
Part-time and Temporary Employees	3,014	8	99	0	0	0
Total Electric Department Employees	4,627	864	2,104	0	0	152

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Louisiana Central Louisiana Electric Co Inc	Louisiana Louisiana Power & Light Co	Louisiana New Orleans Public Service Inc	Louisiana Southwestern Electric Power Co	Maine Bangor Hydro- Electric Co	Maine Central Maine Power Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	1,034	1,069	817	655	88	896
Fuel	110,512	192,889	40,014	309,620	6,763	59,617
Steam Expenses	1,828	2,446	632	5,687	505	1,663
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	765	2,306	629	3,169	137	832
Miscellaneous Steam Power Expenses	1,424	4,081	1,166	4,301	170	2,992
Rents	0	1	6	0	0	8
Total Operation Expenses	115,563	202,791	43,264	323,432	7,663	66,008
Maintenance Expenses						
Supervision and Engineering	515	2,271	299	621	61	829
Structures	795	1,042	232	1,032	28	576
Boiler Plant	3,049	10,799	2,406	12,069	327	3,532
Electric Plant	1,320	10,367	3,506	2,936	194	3,343
Miscellaneous Steam Plant	618	967	226	488	35	504
Total Maintenance Expenses	6,296	25,446	6,669	17,146	645	8,784
Total Steam Power Production Expenses	121,859	228,237	49,933	340,578	8,308	74,791
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	24,219	0	0	0	322
Fuel	0	60,720	0	0	0	1,084
Coolants and Water	0	1,929	0	0	0	71
Steam Expenses	0	11,723	0	0	0	159
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	1,535	0	0	0	72
Miscellaneous Nuclear Power Expenses	0	15,094	0	0	0	651
Rents	0	0	0	0	0	19
Total Operation Expenses	0	115,220	0	0	0	2,377
Maintenance Expenses						
Supervision and Engineering	0	24,732	0	0	0	122
Structures	0	4,873	0	0	0	46
Reactor Plant Equipment	0	8,140	0	0	0	247
Electric Plant	0	3,988	0	0	0	212
Miscellaneous Nuclear Plant	0	1,692	0	0	0	39
Total Maintenance Expenses	0	43,425	0	0	0	666
Total Nuclear Power Production Expenses	0	158,644	0	0	0	3,043
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	44	410
Water for Power	0	0	0	0	69	911
Hydraulic Expenses	0	0	0	0	608	1,166
Electric Expenses	0	0	0	0	197	2,303
Miscellaneous Hydraulic Expenses	0	0	0	0	245	1,129
Rents	0	0	0	0	4	15
Total Operation Expenses	0	0	0	0	1,168	5,934

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Louisiana Central Louisiana Electric Co Inc	Louisiana Louisiana Power & Light Co	Louisiana New Orleans Public Service Inc	Louisiana Southwestern Electric Power Co	Maine Bangor Hydro- Electric Co	Maine Central Maine Power Co
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	60	498
Structures	0	0	0	0	66	553
Reservoirs, Dams, and Waterways	0	0	0	0	554	1,451
Electric Plant	0	0	0	0	186	2,301
Miscellaneous Hydraulic Plant	0	0	0	0	33	96
Total Maintenance Expenses	0	0	0	0	900	4,899
Total Hydraulic Power Production Expenses	0	0	0	0	2,068	10,833
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	0	28
Fuel	7	278	0	0	261	425
Generation Expenses	1	2	0	0	72	46
Miscellaneous Other Power Expenses	3	18	0	0	19	42
Rents	0	0	0	0	0	0
Total Operation Expenses	11	298	0	0	353	541
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	1	28
Structures	0	13	0	0	7	33
Generating and Electric Plant	0	66	0	0	104	154
Miscellaneous Other Power Plant	0	6	0	0	3	0
Total Maintenance Expenses	0	85	0	0	114	215
Total Other Power Production Expenses	11	384	0	0	467	756
Other Power Supply Expenses						
Purchased Power	507	296,886	200,856	9,604	59,478	311,048
System Control and Load Dispatching	356	2,020	435	1,100	0	946
Other Expenses	-510	25,060	160	-1,123	0	0
Total Other Power Supply Expenses	353	323,968	201,451	9,581	59,478	311,994
Total Power Production Expenses	122,223	711,234	251,384	350,158	70,322	401,417
Transmission						
Operation Expenses						
Supervision and Engineering	429	43	8	68	49	787
Load Dispatching	714	2,214	685	575	451	609
Station Expenses	132	24	32	774	22	1,033
Overhead Line Expenses	34	32	2	137	134	212
Underground Line Expenses	0	0	0	0	0	0
Transmission of Electricity by Others	0	18,678	7,091	5,955	855	2,465
Miscellaneous Transmission Expenses	22	6	9	321	21	718
Rents	0	11	0	140	0	553
Total Operation Expenses	1,330	21,008	7,827	7,969	1,532	6,379

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Louisiana Central Louisiana Electric Co Inc	Louisiana Louisiana Power & Light Co	Louisiana New Orleans Public Service Inc	Louisiana Southwestern Electric Power Co	Maine Bangor Hydro Electric Co	Maine Central Maine Power Co
Maintenance Expenses						
Supervision and Engineering	191	51	39	71	97	471
Structures	2	4	7	73	2	75
Station Equipment	1,234	508	398	1,545	218	1,283
Overhead Lines	984	2,003	183	1,139	648	1,908
Underground Lines	1	2	0	0	7	0
Miscellaneous Transmission Plant	2	10	2	5	0	2
Total Maintenance Expenses	2,413	2,578	630	2,834	972	3,739
Total Transmission Expenses	3,744	23,585	8,456	10,803	2,504	10,117
Distribution						
Operation Expenses						
Supervision and Engineering	1,341	425	318	292	222	5,010
Load Dispatching	127	772	222	297	29	150
Station Expenses	231	1,170	72	547	14	942
Overhead Line Expenses	1,598	1,428	309	1,199	275	1,869
Underground Line Expenses	82	82	181	262	6	92
Street Lighting and Signal System Expenses	9	349	283	383	13	266
Meter Expenses	1,465	2,670	1,094	2,986	511	3,755
Customer Installations Expenses	105	368	445	422	125	1,343
Miscellaneous Distribution Expenses	838	1,628	677	1,666	997	4,565
Rents	340	1,555	10	486	0	2,088
Total Operation Expenses	6,137	10,448	3,612	8,541	2,191	20,081
Maintenance Expenses						
Supervision and Engineering	1,625	694	1,102	274	356	1,059
Structures	3	20	162	40	19	69
Station Equipment	367	5,351	829	831	245	959
Overhead Lines	8,121	13,686	1,873	8,950	1,593	11,622
Underground Lines	972	409	1,513	783	320	149
Line Transformers	320	1,382	533	567	116	370
Street Lighting and Signal Systems	511	909	873	439	83	283
Meters	231	851	164	467	2	326
Miscellaneous Distribution Plant	102	5	167	425	1	34
Total Maintenance Expenses	12,253	23,307	7,218	12,775	2,735	14,872
Total Distribution Expenses	18,389	33,754	10,830	21,317	4,926	34,954
Customer Accounts Expenses						
Supervision	1,000	578	146	981	269	538
Meter Reading Expenses	1,541	3,651	1,090	2,028	574	3,203
Customer Records and Collection Expenses	4,127	13,806	3,997	18,956	1,899	9,804
Uncollectible Accounts	165	3,186	2,176	442	179	3,267
Miscellaneous Customer Accounts Expenses	528	12	83	-1,247	400	962
Total Customer Accounts Expenses	7,361	21,232	7,492	21,160	3,320	17,774
Customer Service and Information Expenses						
Supervision	216	976	453	102	74	407
Customer Assistance Expenses	344	5,370	2,142	567	905	7,804
Informational and Instructional Expenses	189	1,540	270	606	205	1,753
Miscellaneous Customer Service and Information Expenses	172	103	95	7	126	618
Total Customer Service and Information Expenses	922	7,989	2,960	1,284	1,309	10,582

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Louisiana	Louisiana	Louisiana	Louisiana	Maine	Maine
Item	Central Louisiana Electric Co Inc	Louisiana Power & Light Co	New Orleans Public Service Inc	Southwestern Electric Power Co	Bangor Hydro- Electric Co	Central Maine Power Co
Sales Expenses						
Supervision	49	206	89	253	0	0
Demonstrating and Selling Expenses	489	3	6	1,478	0	0
Advertising Expenses	450	1,815	167	0	1	0
Miscellaneous Sales Expenses	0	16	6	197	0	0
Total Sales Expenses	988	2,039	262	1,928	1	0
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	7,129	21,096	5,947	9,150	3,924	24,292
Office Supplies and Expenses	4,296	13,435	2,979	2,282	1,272	10,094
(less) Administrative Expenses Transferred (credit)	1,277	304	73	2,891	1,908	4,335
Outside Services Employed	681	31,575	7,524	2,287	296	2,016
Property Insurance	889	8,649	1,600	1,113	144	872
Injuries And Damages	1,800	8,015	2,113	1,232	1,099	2,769
Employee Pensions And Benefits	5,713	17,982	-5,159	8,472	1,579	0
Franchise Requirements	380	28	0	8	0	0
Regulatory Commission Expenses	77	1,844	1,321	227	364	4,419
(less) Duplicate Charges (credit)	3,968	28	0	8	0	0
General Advertising Expenses	92	2,210	72	109	0	64
Miscellaneous General Expenses	2,614	2,442	1,035	4,621	251	1,792
Rents	221	2,547	238	2,663	176	3,272
Total Operation Expenses	18,646	109,490	17,597	29,266	7,197	45,255
Maintenance of General Plant	504	3,769	527	1,816	200	1,516
Total Administrative and General Expenses	19,150	113,258	18,124	31,082	7,397	46,771
Total Electric Operation and Maintenance Expenses	172,778	913,092	299,508	437,731	89,779	521,616
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	6,387	47,279	3,847	17,350	1,922	9,639
Transmission	1,340	633	637	2,204	701	2,086
Distribution	8,999	13,505	6,333	11,165	3,496	15,006
Customer Accounts	5,185	10,697	3,747	7,519	2,142	7,138
Customer Service and Informational Expenses	574	4,457	1,809	605	481	3,604
Sales Expenses	250	201	88	999	0	0
Administrative and General	7,524	23,761	6,727	6,847	4,899	18,302
Allocated from Clearing Accounts	86	2,050	129	1,149	0	11,321
Total Salaries and Wages	30,345	102,585	23,319	47,838	13,641	67,095
Number of Electric Department Employees						
Regular Full-time Employees	1,251	3,272	965	1,938	531	2,269
Part-time and Temporary Employees	31	37	32	17	50	219
Total Electric Department Employees	1,282	3,309	997	1,955	581	2,488

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Maine Maine Electric Power Co Inc	Maine Maine Public Service Co	Maine Maine Yankee Atomic Power Co	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	0	143	0	10,275	2,543	2,948
Fuel	0	2,999	0	305,013	157,377	263,549
Steam Expenses	0	195	0	8,657	2,710	7,176
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	100	0	6,105	1,070	2,912
Miscellaneous Steam Power Expenses	0	173	0	15,307	1,922	3,533
Rents	0	0	0	80	14	-101
Total Operation Expenses	0	3,609	0	345,438	165,636	280,018
Maintenance Expenses						
Supervision and Engineering	0	60	0	7,340	1,984	3,910
Structures	0	4	0	3,150	1,747	2,250
Boiler Plant	0	163	0	19,815	15,930	15,401
Electric Plant	0	60	0	7,249	5,071	3,891
Miscellaneous Steam Plant	0	17	0	2,518	1,065	2,316
Total Maintenance Expenses	0	304	0	40,071	25,796	27,768
Total Steam Power Production Expenses	0	3,913	0	385,509	191,432	307,787
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	6,573	28,681	0	15,245
Fuel	0	0	40,002	15,117	0	10,613
Coolants and Water	0	0	833	0	0	1,352
Steam Expenses	0	0	2,745	11,078	0	8,265
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	686	328	0	81
Miscellaneous Nuclear Power Expenses	0	0	14,257	30,079	0	44,816
Rents	0	0	452	9	0	1,207
Total Operation Expenses	0	0	65,549	85,293	0	81,578
Maintenance Expenses						
Supervision and Engineering	0	0	434	5,768	0	1,164
Structures	0	0	227	1,449	0	2,370
Reactor Plant Equipment	0	0	4,024	19,998	0	10,524
Electric Plant	0	0	3,850	8,596	0	2,782
Miscellaneous Nuclear Plant	0	0	1,575	12,423	0	17,106
Total Maintenance Expenses	0	0	10,109	48,233	0	33,946
Total Nuclear Power Production Expenses	0	0	75,658	133,526	0	115,524
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	22	0	0	395	0
Water for Power	0	0	0	0	11	0
Hydraulic Expenses	0	4	0	0	70	0
Electric Expenses	0	18	0	0	116	0
Miscellaneous Hydraulic Expenses	0	24	0	0	125	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	68	0	0	717	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Maine Maine Electric Power Co Inc	Maine Maine Public Service Co	Maine Maine Yankee Atomic Power Co	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co
Maintenance Expenses						
Supervision and Engineering	0	8	0	0	176	0
Structures	0	8	0	0	93	0
Reservoirs, Dams and Waterways	0	31	0	0	765	0
Electric Plant	0	5	0	0	100	0
Miscellaneous Hydraulic Plant	0	6	0	0	70	0
Total Maintenance Expenses	0	58	0	0	1,205	0
Total Hydraulic Power Production Expenses	0	126	0	0	1,923	0
Other Power						
Operation Expenses						
Supervision and Engineering	0	40	0	0	0	195
Fuel	0	196	0	14,297	0	3,698
Generation Expenses	0	41	0	375	0	220
Miscellaneous Other Power Expenses	0	31	0	43	0	172
Rents	0	0	0	0	0	0
Total Operation Expenses	0	308	0	14,715	0	4,285
Maintenance Expenses						
Supervision and Engineering	0	20	0	0	0	149
Structures	0	4	0	122	0	476
Generating and Electric Plant	0	32	0	1,940	0	2,560
Miscellaneous Other Power Plant	0	2	0	115	0	42
Total Maintenance Expenses	0	57	0	2,177	0	3,227
Total Other Power Production Expenses	0	365	0	16,892	0	7,512
Other Power Supply Expenses						
Purchased Power	18,140	24,493	0	285,229	230,900	184,715
System Control and Load Dispatching	0	159	0	2,708	2,328	3,741
Other Expenses	0	2,190	0	-238,130	2,328	0
Total Other Power Supply Expenses	18,140	26,842	0	49,807	235,556	188,456
Total Power Production Expenses	18,140	31,246	75,658	585,734	428,911	619,279
Transmission						
Operation Expenses						
Supervision and Engineering	0	53	0	2,396	696	703
Load Dispatching	137	59	0	1,719	161	244
Station Expenses	15	33	0	1,919	208	601
Overhead Line Expenses	1	7	0	200	120	78
Underground Line Expenses	0	0	0	42	0	368
Transmission of Electricity by Others	0	1,599	0	433	1,102	19,939
Miscellaneous Transmission Expenses	6	67	0	417	222	24
Rents	0	33	0	128	43	7,032
Total Operation Expenses	159	1,852	0	7,254	2,552	28,990

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Maine Electric Power Co Inc	Maine Public Service Co	Maine Yankee Atomic Power Co	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co
Maintenance Expenses						
Supervision and Engineering	0	38	0	202	280	0
Structures	0	0	0	115	16	70
Station Equipment	1	65	0	1,359	1,632	472
Overhead Lines	150	167	0	3,113	1,964	926
Underground Lines	124	1	0	68	0	2,178
Miscellaneous Transmission Plant	0	-1	0	0	17	0
Total Maintenance Expenses	274	270	0	4,859	3,909	3,646
Total Transmission Expenses	434	2,122	0	12,113	6,461	37,636
Distribution						
Operation Expenses						
Supervision and Engineering	0	116	0	21,067	2,159	8,723
Load Dispatching	0	59	0	0	953	2,929
Station Expenses	0	8	0	2,028	401	4,446
Overhead Line Expenses	0	55	0	4,209	529	3,548
Underground Line Expenses	0	0	0	1,908	318	7,714
Street Lighting and Signal System Expenses	0	9	0	1,746	231	1,021
Meter Expenses	0	128	0	2,810	488	5,205
Customer Installations Expenses	0	4	0	0	387	4,641
Miscellaneous Distribution Expenses	0	185	0	11,071	2,580	554
Rents	0	12	0	1,508	267	589
Total Operation Expenses	0	576	0	46,348	8,318	39,370
Maintenance Expenses						
Supervision and Engineering	0	68	0	2,598	998	2,763
Structures	0	0	0	165	12	281
Station Equipment	0	24	0	2,722	844	3,264
Overhead Lines	0	473	0	15,921	10,956	13,276
Underground Lines	0	0	0	4,677	1,052	9,688
Line Transformers	0	58	0	1,444	319	337
Street Lighting and Signal Systems	0	28	0	2,061	172	1,455
Meters	0	9	0	975	162	573
Miscellaneous Distribution Plant	0	0	0	1,289	220	0
Total Maintenance Expenses	0	661	0	31,853	14,735	31,636
Total Distribution Expenses	0	1,237	0	78,200	23,052	71,007
Customer Accounts Expenses						
Supervision	0	116	0	488	395	1,657
Meter Reading Expenses	0	126	0	8,589	1,971	6,597
Customer Records and Collection Expenses	0	589	0	21,385	4,154	13,304
Uncollectible Accounts	0	273	0	6,594	905	12,057
Miscellaneous Customer Accounts Expenses	0	142	0	17	131	0
Total Customer Accounts Expenses	0	1,245	0	37,673	7,556	33,615
Customer Service and Information Expenses						
Supervision	0	40	0	657	1,066	23
Customer Assistance Expenses	0	279	0	5,014	4,275	3,840
Informational and Instructional Expenses	0	76	0	1,381	295	412
Miscellaneous Customer Service and Information Expenses	0	10	0	456	298	1,592
Total Customer Service and Information Expenses	0	405	0	7,508	5,934	5,867

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Maine Electric Power Co Inc	Maine Public Service Co	Maine Yankee Atomic Power Co	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co
Sales Expenses						
Supervision	0	0	0	0	0	119
Demonstrating and Selling Expenses	0	0	0	0	0	600
Advertising Expenses	0	0	0	0	0	0
Miscellaneous Sales Expenses	0	0	0	0	0	1,515
Total Sales Expenses	0	0	0	0	0	2,234
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	0	1,161	3,920	45,734	4,786	25,399
Office Supplies and Expenses	27	325	717	16,019	1,939	9,493
(less) Administrative Expenses						
Transferred (credit)	0	0	0	0	409	4,515
Outside Services Employed	149	478	9,514	3,787	6,618	4,758
Property Insurance	5	57	5,722	7,892	1,219	5,309
Injuries And Damages	0	515	181	5,485	1,808	9,422
Employee Pensions And Benefits	0	630	1,905	43,523	4,210	27,995
Franchise Requirements	0	0	0	0	136	0
Regulatory Commission Expenses	311	282	4,983	2,487	1,340	6,103
(less) Duplicate Charges (credit)	0	16	0	0	831	0
General Advertising Expenses	0	9	1,252	740	93	369
Miscellaneous General Expenses	0	310	1,360	9,551	816	5,520
Rents	6	0	240	5,814	496	6,926
Total Operation Expenses	498	3,752	29,794	141,031	22,221	96,777
Maintenance of General Plant	8	94	14	8,524	1,191	1,073
Total Administrative and General Expenses	506	3,845	29,808	149,555	23,412	97,850
Total Electric Operation and Maintenance Expenses	19,080	40,100	105,465	870,783	495,326	862,498
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	0	785	11,058	97,711	12,431	70,901
Transmission	0	214	0	6,984	1,337	1,976
Distribution	0	813	0	55,141	10,393	45,312
Customer Accounts	0	637	0	25,516	3,976	18,177
Customer Service and Informational Expenses	0	197	0	4,688	2,023	964
Sales Expenses	0	0	0	0	0	886
Administrative and General	0	1,227	2,784	50,984	5,266	24,864
Allocated from Clearing Accounts	0	332	1,810	11,239	971	8,719
Total Salaries and Wages	0	4,207	15,652	252,263	36,396	171,796
Number of Electric Department Employees						
Regular Full-time Employees	0	194	356	6,566	1,340	4,664
Part-time and Temporary Employees	0	3	54	32	5	22
Total Electric Department Employees	0	197	410	6,598	1,345	4,686

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Massachusetts Cambridge Electric Light Co	Massachusetts Canal Electric Co	Massachusetts Commonwealth Electric Co	Massachusetts Eastern Edison Co	Massachusetts Fitchburg Gas & Electric Light Co	Massachusetts Holyoke Water Power Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	1,038	1,660	1,279	0	50	712
Fuel	11,754	112,917	6,605	0	3,459	19,618
Steam Expenses	1,302	1,819	636	0	43	562
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	3,252	95	92	0	0	0
Electric Expenses	510	1,689	276	0	11	181
Miscellaneous Steam Power Expenses	402	2,343	447	0	48	595
Rents	0	738	0	0	0	45
Total Operation Expenses	11,753	121,070	9,150	0	3,612	21,713
Maintenance Expenses						
Supervision and Engineering	74	190	116	0	3	399
Structures	60	1,032	86	0	8	209
Boiler Plant	492	10,987	751	0	184	1,436
Electric Plant	969	3,791	304	0	68	1,056
Miscellaneous Steam Plant	138	139	175	0	0	62
Total Maintenance Expenses	1,733	16,140	1,431	0	264	3,164
Total Steam Power Production Expenses	13,486	137,210	10,582	0	3,876	24,876
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	28	0
Fuel	0	0	0	0	105	0
Coolants and Water	0	0	0	0	6	0
Steam Expenses	0	0	0	0	13	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	0	6	0
Miscellaneous Nuclear Power Expenses	0	0	0	0	49	1
Rents	0	0	0	0	1	0
Total Operation Expenses	0	0	0	0	209	1
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	10	0
Structures	0	0	0	0	4	0
Reactor Plant Equipment	0	0	0	0	21	0
Electric Plant	0	0	0	0	18	0
Miscellaneous Nuclear Plant	0	0	0	0	3	0
Total Maintenance Expenses	0	0	0	0	57	0
Total Nuclear Power Production Expenses	0	0	0	0	266	1
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	0	630
Water for Power	0	0	0	0	0	35
Hydraulic Expenses	0	0	0	0	0	659
Electric Expenses	0	0	0	0	0	153
Miscellaneous Hydraulic Expenses	0	0	0	0	0	485
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	0	0	1,961

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts
Item	Cambridge Electric Light Co	Canal Electric Co	Commonwealth Electric Co	Eastern Edison Co	Fitchburg Gas & Electric Light Co	Holyoke Water Power Co
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	0	104
Structures	0	0	0	0	0	188
Reservoirs, Dams and Waterways	0	0	0	0	0	487
Electric Plant	0	0	0	0	0	826
Miscellaneous Hydraulic Plant	0	0	0	0	0	107
Total Maintenance Expenses	0	0	0	0	0	1,712
Total Hydraulic Power Production Expenses	0	0	0	0	0	3,673
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	0	0
Fuel	453	0	313	0	0	0
Generation Expenses	0	0	33	0	0	0
Miscellaneous Other Power Expenses	0	0	44	0	0	4
Rents	0	0	0	0	170	0
Total Operation Expenses	453	0	390	0	1,002	4
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	9	0
Structures	0	0	6	0	4	0
Generating and Electric Plant	302	0	147	0	115	0
Miscellaneous Other Power Plant	0	0	0	0	1	0
Total Maintenance Expenses	302	0	153	0	129	0
Total Other Power Production Expenses	755	0	543	0	1,131	4
Other Power Supply Expenses						
Purchased Power	50,682	41,088	204,279	170,796	12,663	-23,771
System Control and Load Dispatching	663	238	1,775	0	198	57
Other Expenses	0	0	0	0	7	13
Total Other Power Supply Expenses	51,345	41,326	206,054	170,796	12,868	-23,701
Total Power Production Expenses	65,586	178,535	217,179	170,796	18,141	4,853
Transmission						
Operation Expenses						
Supervision and Engineering	0	0	201	138	20	44
Load Dispatching	58	0	154	105	0	0
Station Expenses	0	0	200	132	7	3
Overhead Line Expenses	0	0	29	10	4	0
Underground Line Expenses	0	0	0	0	2	0
Transmission of Electricity by Others	8,049	3,257	4,779	0	1,349	406
Miscellaneous Transmission Expenses	4	0	190	8	10	42
Rents	0	0	39	0	2	0
Total Operation Expenses	8,111	3,257	5,592	393	1,394	495

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts
Item	Cambridge Electric Light Co.	Canal Electric Co.	Commonwealth Electric Co.	Eastern Edison Co.	Fitchburg Gas & Electric Light Co.	Holyoke Water Power Co.
Maintenance Expenses						
Supervision and Engineering	0	0	109	29	20	13
Structures	0	0	20	0	0	0
Station Equipment	44	0	528	10	2	14
Overhead Lines	0	0	473	219	57	0
Underground Lines	0	0	0	0	2	0
Miscellaneous Transmission Plant	9	0	21	0	0	0
Total Maintenance Expenses	53	0	1,152	250	81	27
Total Transmission Expenses	8,164	3,257	6,745	651	1,476	522
Distribution						
Operation Expenses						
Supervision and Engineering	298	0	1,360	1,245	86	74
Load Dispatching	0	0	0	750	0	11
Station Expenses	64	0	444	1,001	29	99
Overhead Line Expenses	470	0	1,287	2,671	2	45
Underground Line Expenses	94	0	106	296	9	2
Street Lighting and Signal System Expenses	157	0	715	84	12	0
Meter Expenses	171	0	1,315	1,188	194	52
Customer Installations Expenses	141	0	602	696	18	1
Miscellaneous Distribution Expenses	306	0	1,637	2,749	388	16
Rents	0	0	225	686	56	0
Total Operation Expenses	1,699	0	7,890	11,366	794	300
Maintenance Expenses						
Supervision and Engineering	118	0	1,628	56	29	10
Structures	45	0	29	40	15	16
Station Equipment	179	0	414	382	28	14
Overhead Lines	355	0	8,465	2,610	520	60
Underground Lines	190	0	880	294	79	7
Line Transformers	19	0	522	177	6	0
Street Lighting and Signal Systems	65	0	167	363	58	5
Meters	63	0	194	1	0	0
Miscellaneous Distribution Plant	26	0	237	207	7	0
Total Maintenance Expenses	1,061	0	12,536	4,129	742	112
Total Distribution Expenses	2,760	0	20,425	15,495	1,537	412
Customer Accounts Expenses						
Supervision	49	0	594	56	0	0
Meter Reading Expenses	385	0	2,360	1,019	171	17
Customer Records and Collection Expenses	1,626	0	9,743	4,338	626	4
Uncollectible Accounts	324	0	3,061	1,054	81	95
Miscellaneous Customer Accounts Expenses	107	0	858	0	34	0
Total Customer Accounts Expenses	2,491	0	16,615	6,467	912	115
Customer Service and Information Expenses						
Supervision	0	0	47	219	0	0
Customer Assistance Expenses	248	0	742	753	0	22
Informational and Instructional Expenses	72	0	530	461	0	0
Miscellaneous Customer Service and Information Expenses	0	0	0	91	0	0
Total Customer Service and Information Expenses	320	0	1,319	1,524	0	22

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Massachusetts Cambridge Electric Light Co	Massachusetts Canal Electric Co	Massachusetts Commonwealth Electric Co	Massachusetts Eastern Edison Co	Massachusetts Fitchburg Gas & Electric Light Co	Massachusetts Holyoke Water Power Co
Sales Expenses						
Supervision	0	0	48	0	12	0
Demonstrating and Selling Expenses	274	0	815	0	18	0
Advertising Expenses	5	0	0	0	0	0
Miscellaneous Sales Expenses	59	0	554	344	83	0
Total Sales Expenses	339	0	1,417	344	112	0
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	1,265	2,806	5,675	4,791	454	810
Office Supplies and Expenses	2,297	604	8,705	519	257	290
(less) Administrative Expenses						
Transferred (credit)	0	0	0	154	89	29
Outside Services Employed	133	115	660	386	1,285	91
Property Insurance	133	350	527	80	18	98
Injuries And Damages	461	704	1,777	925	59	202
Employee Pensions And Benefits	3,113	1,388	12,172	1,906	750	1,093
Franchise Requirements	0	0	0	0	0	0
Regulatory Commission Expenses	134	320	397	574	31	133
(less) Duplicate Charges (credit)	50	0	477	123	49	0
General Advertising Expenses	34	0	337	70	4	1
Miscellaneous General Expenses	642	86	1,500	5,928	216	119
Rents	772	378	1,604	51	-189	197
Total Operation Expenses	8,935	6,751	32,877	14,953	2,748	3,006
Maintenance of General Plant	169	0	1,571	533	117	61
Total Administrative and General Expenses	9,104	6,751	34,448	15,486	2,865	3,067
Total Electric Operation and Maintenance Expenses	88,764	188,544	298,148	210,764	25,042	8,991
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	2,713	4,406	2,732	0	124	4,721
Transmission	89	0	752	10	27	2
Distribution	1,024	0	6,946	6,352	584	207
Customer Accounts	438	0	6,144	1,584	447	14
Customer Service and Informational Expenses	125	0	520	951	0	0
Sales Expenses	165	0	599	3	60	0
Administrative and General	1,447	289	5,111	1,108	562	319
Allocated from Clearing Accounts	1,782	838	7,565	450	0	437
Total Salaries and Wages	7,783	5,533	30,368	10,458	1,804	5,699
Number of Electric Department Employees						
Regular Full-time Employees	203	104	1,179	392	124	138
Part-time and Temporary Employees	13	0	8	0	0	0
Total Electric Department Employees	216	104	1,187	392	124	138

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Massachusetts Electric Co	Massachusetts Montaup Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	0	1,331	2,312	846	0	7,810
Fuel	0	69,212	284,621	14,342	0	330,007
Steam Expenses	0	1,598	5,251	1,252	0	7,916
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	32	5	0	0	0
Electric Expenses	0	1,306	4,127	988	0	5,859
Miscellaneous Steam Power Expenses	0	2,103	8,704	1,049	0	10,377
Rents	0	354	0	0	0	0
Total Operation Expenses	0	75,873	305,010	18,477	0	361,970
Maintenance Expenses						
Supervision and Engineering	0	77	4,132	344	0	6,381
Structures	0	250	2,343	171	0	4,847
Boiler Plant	0	4,290	35,832	2,087	0	25,561
Electric Plant	0	2,403	12,187	2,230	0	9,388
Miscellaneous Steam Plant	0	379	1,372	68	0	2,449
Total Maintenance Expenses	0	7,399	55,865	4,901	0	48,627
Total Steam Power Production Expenses	0	83,272	360,875	23,378	0	410,598
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	516	1,570	5,783	15,967	8,878
Fuel	0	1,705	5,382	25,387	12,184	25,046
Coolants and Water	0	114	347	1,566	258	3,173
Steam Expenses	0	239	728	3,133	5,002	10,220
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	1,100	352	1,169	648	1,560
Miscellaneous Nuclear Power Expenses	0	876	3,303	10,162	8,256	30,731
Rents	0	26	79	1,221	0	1,000
Total Operation Expenses	0	3,851	11,761	48,421	42,315	80,607
Maintenance Expenses						
Supervision and Engineering	0	195	594	2,065	730	7,717
Structures	0	74	226	694	41	2,211
Reactor Plant Equipment	0	396	1,205	7,479	983	18,765
Electric Plant	0	339	1,033	1,943	568	5,902
Miscellaneous Nuclear Plant	0	54	165	514	124	2,506
Total Maintenance Expenses	0	1,058	3,222	12,694	2,446	37,102
Total Nuclear Power Production Expenses	0	4,909	14,983	61,115	44,761	117,708
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	1,003	441	0	462
Water for Power	0	0	74	29	0	30
Hydraulic Expenses	0	0	662	507	0	224
Electric Expenses	0	0	1,503	413	0	734
Miscellaneous Hydraulic Expenses	0	0	1,027	513	0	1,210
Rents	0	0	36	705	0	2
Total Operation Expenses	0	0	4,304	2,608	0	2,862

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Michigan
Item	Massachusetts Electric Co	Montaup Electric Co	New England Power Co	Western Massachusetts Electric Co	Yankee Atomic Electric Co	Consumers Power Co
Maintenance Expenses						
Supervision and Engineering	0	0	696	428	0	476
Structures	0	0	293	186	0	318
Reservoirs, Dams and Waterways	0	0	522	881	0	2,549
Electric Plant	0	0	3,671	716	0	556
Miscellaneous Hydraulic Plant	0	0	289	288	0	162
Total Maintenance Expenses	0	0	5,471	2,499	0	4,061
Total Hydraulic Power Production Expenses	0	0	9,776	5,107	0	6,723
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	26	38	0	110
Fuel	0	758	1,157	1,215	0	1,131
Generation Expenses	0	31	85	64	0	155
Miscellaneous Other Power Expenses	0	0	10	63	0	106
Rents	0	0	7	0	0	0
Total Operation Expenses	0	788	1,286	1,380	0	1,502
Maintenance Expenses						
Supervision and Engineering	0	0	3	7	0	204
Structures	0	0	0	1,573	0	28
Generating and Electric Plant	0	217	773	614	0	867
Miscellaneous Other Power Plant	0	0	0	0	0	0
Total Maintenance Expenses	0	217	776	2,194	0	1,098
Total Other Power Production Expenses	0	1,005	2,062	3,574	0	2,600
Other Power Supply Expenses						
Purchased Power	897,367	110,877	304,167	23,024	0	233,808
System Control and Load Dispatching	0	1,837	4,151	1,015	0	8,520
Other Expenses	91	34	1,167	246	0	1,383
Total Other Power Supply Expenses	897,458	112,748	309,485	24,284	0	243,711
Total Power Production Expenses	897,458	201,935	697,181	117,458	44,761	781,341
Transmission						
Operation Expenses						
Supervision and Engineering	107	79	1,572	718	0	854
Load Dispatching	4	329	1,525	0	0	0
Station Expenses	74	564	2,524	343	96	2,170
Overhead Line Expenses	30	178	279	45	0	335
Underground Line Expenses	17	0	8	5	0	1
Transmission of Electricity by Others	0	2,413	25,285	2,171	0	0
Miscellaneous Transmission Expenses	7	43	260	544	0	455
Rents	6	6,215	1,363	95	0	113
Total Operation Expenses	245	9,822	32,817	3,919	96	4,529

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Massachusetts Electric Co	Massachusetts Montaup Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
Maintenance Expenses						
Supervision and Engineering	55	6	450	388	0	67
Structures	3	39	16	62	0	158
Station Equipment	54	325	2 826	518	19	4 032
Overhead Lines	210	355	1 635	683	0	4 340
Underground Lines	5	0	71	15	0	0
Miscellaneous Transmission Plant	27	121	12	19	0	-2
Total Maintenance Expenses	354	846	5,010	1,686	19	8,594
Total Transmission Expenses	599	10,668	37,827	5,605	116	13,123
Distribution						
Operation Expenses						
Supervision and Engineering	3 242	0	124	1 774	0	4 045
Load Dispatching	0	0	0	886	0	0
Station Expenses	2 323	0	25	632	0	2 052
Overhead Line Expenses	5 084	0	5	871	0	4 115
Underground Line Expenses	1 391	0	0	783	0	2 504
Street Lighting and Signal System Expenses	2 163	0	0	225	0	572
Meter Expenses	3 412	0	326	623	0	3 161
Customer Installations Expenses	2 853	0	5	687	0	1 660
Miscellaneous Distribution Expenses	6 969	0	104	1 127	0	7 303
Rents	595	0	5	121	0	2 085
Total Operation Expenses	28,031	0	594	7,729	0	27,497
Maintenance Expenses						
Supervision and Engineering	1 425	0	40	816	0	2 124
Structures	177	0	3	41	0	195
Station Equipment	2 495	0	34	898	0	2 663
Overhead Lines	18 535	0	30	6 687	0	18 555
Underground Lines	2 612	0	4	2 685	0	1 481
Line Transformers	771	0	1	313	0	1 370
Street Lighting and Signal Systems	446	0	0	632	0	657
Meters	368	0	102	17	0	813
Miscellaneous Distribution Plant	185	0	0	353	0	-24
Total Maintenance Expenses	27,013	0	211	12,440	0	27,836
Total Distribution Expenses	55,044	0	805	20,170	0	55,333
Customer Accounts Expenses						
Supervision	1 153	0	6	263	0	2 863
Meter Reading Expenses	6 668	0	137	1 702	0	6 807
Customer Records and Collection Expenses	15 205	0	341	4 003	0	26 882
Uncollectible Accounts	6 050	0	0	2 037	0	4 580
Miscellaneous Customer Accounts Expenses	7	0	0	537	0	358
Total Customer Accounts Expenses	29,082	0	484	8,542	0	41,490
Customer Service and Information Expenses						
Supervision	835	0	417	247	0	572
Customer Assistance Expenses	4 427	0	11 595	2 741	0	4 031
Informational and Instructional Expenses	226	0	37	205	0	1 008
Miscellaneous Customer Service and Information Expenses	3 860	0	648	235	0	0
Total Customer Service and Information Expenses	9,349	0	12,697	3,429	0	5,611

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Massachusetts Massachusetts Electric Co	Massachusetts Montaup Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
Sales Expenses						
Supervision	0	0	0	0	0	1,652
Demonstrating and Selling Expenses	0	0	0	0	0	2,019
Advertising Expenses	0	0	0	0	0	149
Miscellaneous Sales Expenses	0	0	0	0	0	0
Total Sales Expenses	0	0	0	0	0	3,820
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	6,658	3,264	7,761	8,558	50	33,824
Office Supplies and Expenses	5,176	352	4,501	4,404	15	9,977
(less) Administrative Expenses						
Transferred (credit)	467	51	238	898	0	3,437
Outside Services Employed	165	308	1,399	1,319	409	2,746
Property Insurance	151	734	2,147	1,961	1,027	4,369
Injuries And Damages	3,712	1,918	4,192	1,532	789	9,735
Employee Pensions And Benefits	14,494	1,394	11,677	7,192	1,538	33,463
Franchise Requirements	0	0	0	0	0	0
Regulatory Commission Expenses	1,563	875	3,196	980	982	3,845
(less) Duplicate Charges (credit)	153	0	0	0	0	0
General Advertising Expenses	12	21	13	27	0	820
Miscellaneous General Expenses	2,082	2,186	5,528	1,972	171	15,332
Rents	1,745	202	1,728	3,146	6	2,293
Total Operation Expenses	35,138	11,204	41,904	30,192	4,986	112,966
Maintenance of General Plant	761	14	235	1,295	0	4,371
Total Administrative and General Expenses	35,899	11,217	42,139	31,487	4,986	117,337
Total Electric Operation and Maintenance Expenses	1,027,431	223,820	791,134	186,691	49,863	1,018,054
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	0	4,256	31,793	8,733	7,985	45,113
Transmission	77	413	3,385	868	170	2,703
Distribution	26,366	0	5	7,652	0	20,117
Customer Accounts	11,565	0	3	3,793	0	14,024
Customer Service and Informational Expenses	2,525	0	0	933	0	2,854
Sales Expenses	0	0	0	0	0	2,747
Administrative and General	3,364	142	197	1,523	14	38,660
Allocated from Clearing Accounts	1,246	92	500	2,455	0	86,317
Total Salaries and Wages	45,143	4,904	35,883	25,958	8,169	212,534
Number of Electric Department Employees						
Regular Full-time Employees	1,983	154	928	837	201	6,090
Part-time and Temporary Employees	19	0	18	12	0	158
Total Electric Department Employees	2,002	154	946	849	201	6,248

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
Item	Detroit Edison Co	Edison Sault Electric Co	Michigan Power Co	Upper Peninsula Power Co	Minnesota Power & Light Co	Northern States Power Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	21,036	0	0	107	1,842	8,908
Fuel	745,141	0	0	2,590	87,203	250,228
Steam Expenses	23,709	0	0	427	3,547	13,554
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	3,516	0	0	134	1,583	4,974
Miscellaneous Steam Power Expenses	27,696	0	0	107	2,929	10,696
Rents	43	0	0	0	0	5
Total Operation Expenses	821,142	0	0	3,365	97,104	286,364
Maintenance Expenses						
Supervision and Engineering	8,848	0	0	80	1,163	5,742
Structures	10,955	0	0	14	926	2,819
Boiler Plant	81,490	0	0	290	6,808	24,446
Electric Plant	19,460	0	0	31	2,158	11,542
Miscellaneous Steam Plant	13,747	0	0	11	607	3,871
Total Maintenance Expenses	134,500	0	0	426	11,662	48,420
Total Steam Power Production Expenses	955,642	0	0	3,791	108,766	336,784
Nuclear Power						
Operation Expenses						
Supervision and Engineering	20,703	0	0	0	0	27,449
Fuel	64,066	0	0	0	0	57,387
Coolants and Water	1,630	0	0	0	0	468
Steam Expenses	19,247	0	0	0	0	20,595
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	1,176	0	0	0	0	3,187
Miscellaneous Nuclear Power Expenses	24,221	0	0	0	0	12,079
Rents	0	0	0	0	0	0
Total Operation Expenses	131,043	0	0	0	0	121,164
Maintenance Expenses						
Supervision and Engineering	20,023	0	0	0	0	6,663
Structures	1,480	0	0	0	0	1,284
Reactor Plant Equipment	10,657	0	0	0	0	6,791
Electric Plant	14,029	0	0	0	0	7,407
Miscellaneous Nuclear Plant	10,058	0	0	0	0	6,259
Total Maintenance Expenses	56,248	0	0	0	0	28,404
Total Nuclear Power Production Expenses	187,291	0	0	0	0	149,568
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	141	35	56	332	322	89
Water for Power	0	500	0	0	0	81
Hydraulic Expenses	87	133	38	164	264	23
Electric Expenses	231	451	16	131	606	52
Miscellaneous Hydraulic Expenses	499	116	19	93	119	77
Rents	0	0	0	32	0	0
Total Operation Expenses	958	1,235	130	752	1,311	322

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
Item	Detroit Edison Co	Edison Sault Electric Co	Michigan Power Co	Upper Peninsula Power Co	Minnesota Power & Light Co	Northern States Power Co
Maintenance Expenses						
Supervision and Engineering	118	37	14	66	217	51
Structures	59	75	2	18	101	14
Reservoirs, Dams and Waterways	2,286	610	355	353	108	60
Electric Plant	741	153	17	274	214	163
Miscellaneous Hydraulic Plant	158	19	2	34	29	101
Total Maintenance Expenses	3,361	894	391	746	669	388
Total Hydraulic Power Production Expenses	4,319	2,129	521	1,497	1,980	710
Other Power						
Operation Expenses						
Supervision and Engineering	69	4	0	12	0	179
Fuel	621	32	0	157	0	529
Generation Expenses	166	14	0	37	0	381
Miscellaneous Other Power Expenses	13	12	0	31	0	342
Rents	0	0	0	0	0	7
Total Operation Expenses	870	62	0	237	0	1,438
Maintenance Expenses						
Supervision and Engineering	365	3	0	13	0	166
Structures	18	0	0	4	0	7
Generating and Electric Plant	1,620	20	0	25	0	2,116
Miscellaneous Other Power Plant	18	0	0	3	0	28
Total Maintenance Expenses	2,022	23	0	45	0	2,317
Total Other Power Production Expenses	2,892	85	0	282	0	3,755
Other Power Supply Expenses						
Purchased Power	129,582	11,326	32,040	18,421	77,524	96,888
System Control and Load Dispatching	3,379	0	13	405	1,557	3,457
Other Expenses	2,477	0	0	0	0	49,739
Total Other Power Supply Expenses	135,438	11,326	32,053	18,827	79,081	150,084
Total Power Production Expenses	1,285,580	13,543	32,574	24,397	189,828	640,901
Transmission						
Operation Expenses						
Supervision and Engineering	6,350	12	50	222	190	1,660
Load Dispatching	891	207	62	0	0	3,288
Station Expenses	4,098	34	48	97	202	1,251
Overhead Line Expenses	845	10	12	75	17	423
Underground Line Expenses	571	8	0	0	0	59
Transmission of Electricity by Others	3,694	0	0	0	4	2,844
Miscellaneous Transmission Expenses	1,833	10	34	70	72	18,051
Rents	754	0	1	9	990	399
Total Operation Expenses	19,036	281	206	473	1,476	27,975

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
Item	Detroit Edison Co	Edison Sault Electric Co	Michigan Power Co	Upper Peninsula Power Co	Minnesota Power & Light Co	Northern States Power Co
Maintenance Expenses						
Supervision and Engineering	1,252	16	68	57	225	246
Structure	715	3	1	0	9	56
Station Equipment	8,521	59	60	262	505	4,249
Overhead Lines	6,445	17	165	404	709	1,351
Underground Lines	1,631	6	0	0	0	11
Miscellaneous Transmission Plant	116	0	0	2	0	0
Total Maintenance Expenses	18,680	102	295	725	1,449	5,913
Total Transmission Expenses	37,717	383	501	1,198	2,925	33,888
Distribution						
Operation Expenses						
Supervision and Engineering	14,556	114	189	728	490	1,965
Load Dispatching	701	1	39	0	0	3,649
Station Expenses	7,225	18	71	80	361	2,041
Overhead Line Expenses	14,162	89	38	550	1,011	2,643
Underground Line Expenses	2,743	13	91	30	171	3,085
Street Lighting and Signal System Expenses	907	35	13	42	52	1,039
Meter Expenses	9,671	80	113	766	885	2,981
Customer Installations Expenses	9,702	47	64	82	24	781
Miscellaneous Distribution Expenses	8,723	157	313	241	1,080	9,358
Rents	2,242	0	9	42	71	557
Total Operation Expenses	70,633	553	940	2,562	4,145	28,100
Maintenance Expenses						
Supervision and Engineering	1,109	41	228	153	681	1,319
Structures	1,406	4	27	0	72	574
Station Equipment	6,073	60	98	69	780	5,050
Overhead Lines	45,874	621	921	1,153	3,417	20,502
Underground Lines	5,510	79	81	98	276	4,265
Line Transformers	667	34	100	148	154	662
Street Lighting and Signal Systems	5,533	13	27	45	138	1,413
Meters	898	8	63	6	183	298
Miscellaneous Distribution Plant	260	1	15	31	12	1,539
Total Maintenance Expenses	67,330	861	1,560	1,702	5,714	35,624
Total Distribution Expenses	137,962	1,414	2,500	4,263	9,859	63,724
Customer Accounts Expenses						
Supervision	2,082	45	138	177	53	1,905
Meter Reading Expenses	9,531	279	257	627	969	7,518
Customer Records and Collection Expenses	57,084	367	493	699	1,956	12,017
Uncollectible Accounts	13,857	96	69	37	4,015	4,551
Miscellaneous Customer Accounts Expenses	779	49	66	102	0	2,055
Total Customer Accounts Expenses	83,334	837	1,024	1,642	6,993	26,047
Customer Service and Information Expenses						
Supervision	431	17	42	44	551	285
Customer Assistance Expenses	5,461	32	96	60	632	2,343
Informational and Instructional Expenses	1,187	11	86	52	102	1,427
Miscellaneous Customer Service and Information Expenses	523	0	36	13	342	4,927
Total Customer Service and Informational Expenses	7,602	59	260	169	1,627	8,982

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
Item	Detroit Edison Co	Edison Sault Electric Co	Michigan Power Co	Upper Peninsula Power Co	Minnesota Power & Light Co	Northern States Power Co
Sales Expenses						
Supervision	1,165	0	0	15	32	37
Demonstrating and Selling Expenses	4,901	0	2	6	321	512
Advertising Expenses	639	0	65	1	231	0
Miscellaneous Sales Expenses	1,835	0	45	6	42	0
Total Sales Expenses	8,540	0	112	28	627	549
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	48,541	903	338	2,042	13,916	32,025
Office Supplies and Expenses	17,158	283	686	418	4,306	23,107
(less) Administrative Expenses Transferred (credit)	2,623	299	2	113	483	2,813
Outside Services Employed	4,365	298	83	338	1,242	1,323
Property Insurance	8,361	164	5	355	1,147	11,741
Injuries And Damages	12,649	269	614	681	1,013	7,540
Employee Pensions And Benefits	57,856	836	406	2,450	9,725	48,849
Franchise Requirements	14	0	0	0	626	25
Regulatory Commission Expenses	5,897	48	57	110	1,253	2,423
(less) Duplicate Charges (credit)	0	147	0	0	0	736
General Advertising Expenses	0	41	0	0	297	1,917
Miscellaneous General Expenses	10,158	179	84	253	2,939	17,236
Rents	7,589	3	60	0	-45	5
Total Operation Expenses	169,966	2,578	2,331	6,535	35,936	142,642
Maintenance of General Plant	4,378	21	16	118	3,046	385
Total Administrative and General Expenses	174,344	2,599	2,347	6,653	38,982	143,027
Total Electric Operation and Maintenance Expenses	1,735,079	18,835	39,318	38,350	250,840	919,119
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	187,673	812	13	1,933	14,743	120,699
Transmission	20,929	269	152	639	984	6,793
Distribution	78,771	953	1,175	2,766	5,792	38,438
Customer Accounts	28,308	521	456	1,187	2,306	15,339
Customer Service and Informational Expenses	4,524	34	142	126	1,125	5,050
Sales Expenses	4,791	0	11	20	367	375
Administrative and General	50,782	1,023	214	2,118	14,249	38,341
Allocated from Clearing Accounts	19,867	252	210	151	0	8,117
Total Salaries and Wages	395,645	3,866	2,373	8,939	39,476	233,154
Number of Electric Department Employees						
Regular Full-time Employees	9,769	99	90	588	1,310	3,009
Part-time and Temporary Employees	27	5	0	11	151	0
Total Electric Department Employees	9,796	104	90	599	1,461	3,009

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Minnesota	Mississippi	Mississippi	Mississippi	Missouri	Missouri
Item	Otter Tail Power Co.	Mississippi Power & Light Co.	Mississippi Power Co.	System Energy Resources Inc.	Empire District Electric Co.	Kansas City Power & Light Co.
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	806	1,299	2,738	0	1,064	2,499
Fuel	30,918	91,505	129,398	0	28,596	114,152
Steam Expenses	3,200	2,089	3,305	0	931	4,758
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	813	2,054	2,466	0	747	2,112
Miscellaneous Steam Power Expenses	615	4,309	13,863	0	481	6,744
Rents	2	3	60	0	8	337
Total Operation Expenses	36,353	101,258	151,830	0	31,827	130,601
Maintenance Expenses						
Supervision and Engineering	432	1,137	3,141	0	385	1,999
Structures	206	651	1,637	0	296	3,236
Boiler Plant	2,938	5,192	11,193	0	1,990	23,508
Electric Plant	660	2,301	5,176	0	607	4,497
Miscellaneous Steam Plant	255	1,084	954	0	133	1,135
Total Maintenance Expenses	4,491	10,364	22,101	0	3,412	34,375
Total Steam Power Production Expenses	40,844	111,622	173,931	0	35,239	164,976
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	25,326	0	3,877
Fuel	0	0	0	88,350	0	15,341
Coolants and Water	0	0	0	2,441	0	986
Steam Expenses	0	0	0	9,531	0	4,218
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	6,648	0	225
Miscellaneous Nuclear Power Expenses	0	0	0	18,068	0	8,929
Rents	0	0	0	1,226	0	0
Total Operation Expenses	0	0	0	151,590	0	33,576
Maintenance Expenses						
Supervision and Engineering	0	0	0	7,682	0	2,376
Structures	0	0	0	1,514	0	1,524
Reactor Plant Equipment	0	0	0	10,552	0	2,834
Electric Plant	0	0	0	6,361	0	1,285
Miscellaneous Nuclear Plant	0	0	0	3,680	0	863
Total Maintenance Expenses	0	0	0	29,789	0	8,882
Total Nuclear Power Production Expenses	0	0	0	181,379	0	42,459
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	6	0	0	0	33	0
Water for Power	0	0	0	0	29	0
Hydraulic Expenses	0	0	0	0	7	0
Electric Expenses	0	0	0	0	168	0
Miscellaneous Hydraulic Expenses	61	0	0	0	88	0
Rents	0	0	0	0	0	0
Total Operation Expenses	67	0	0	0	325	0

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Minnesota Otter Tail Power Co	Mississippi Mississippi Power & Light Co	Mississippi Mississippi Power Co	Mississippi System Energy Resources Inc	Missouri Empire District Electric Co	Missouri Kansas City Power & Light Co
Maintenance Expenses						
Supervision and Engineering	1	0	0	0	45	0
Structures	9	0	0	0	22	0
Reservoirs, Dams and Waterways	16	0	0	0	6	0
Electric Plant	15	0	0	0	43	0
Miscellaneous Hydraulic Plant	3	0	0	0	26	0
Total Maintenance Expenses	44	0	0	0	142	0
Total Hydraulic Power Production Expenses	111	0	0	0	467	0
Other Power						
Operation Expenses						
Supervision and Engineering	9	0	78	0	44	9
Fuel	52	0	4,273	0	721	364
Generation Expenses	0	0	392	0	135	63
Miscellaneous Other Power Expenses	30	0	99	0	24	21
Rents	0	0	0	0	1	0
Total Operation Expenses	91	0	4,843	0	926	458
Maintenance Expenses						
Supervision and Engineering	8	0	97	0	53	176
Structures	3	0	5	0	0	15
Generating and Electric Plant	30	0	237	0	40	233
Miscellaneous Other Power Plant	0	0	32	0	17	0
Total Maintenance Expenses	41	0	372	0	111	424
Total Other Power Production Expenses	132	0	5,215	0	1,037	882
Other Power Supply Expenses						
Purchased Power	21,706	298,391	23,899	0	17,084	-45,745
System Control and Load Dispatching	978	563	826	0	374	1,081
Other Expenses	0	76	0	0	19	1,076
Total Other Power Supply Expenses	22,685	299,030	24,725	0	17,477	-43,588
Total Power Production Expenses	63,771	410,652	203,871	181,379	54,220	164,728
Transmission						
Operation Expenses						
Supervision and Engineering	548	113	460	0	269	1,038
Load Dispatching	603	1,119	125	0	254	543
Station Expenses	190	155	275	3	246	162
Overhead Line Expenses	193	146	358	0	39	197
Underground Line Expenses	0	0	0	0	0	6
Transmission of Electricity by Others	0	0	0	0	1,273	190
Miscellaneous Transmission Expenses	20	928	256	0	19	27
Rents	45	70	122	0	48	2,006
Total Operation Expenses	1,600	2,531	1,596	3	2,147	4,167

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Minnesota	Mississippi	Mississippi	Mississippi	Missouri	Missouri
Item	Otter Tail Power Co	Mississippi Power & Light Co	Mississippi Power Co	System Energy Resources Inc	Empire District Electric Co	Kansas City Power & Light Co
Maintenance Expenses						
Supervision and Engineering	443	229	376	0	210	48
Structures	0	13	25	0	3	12
Station Equipment	500	1,427	625	0	304	1,326
Overhead Lines	388	2,275	1,498	0	337	1,217
Underground Lines	0	0	0	0	0	54
Miscellaneous Transmission Plant	0	7	81	0	0	0
Total Maintenance Expenses	1,331	3,952	2,606	0	854	2,656
Total Transmission Expenses	2,931	6,484	4,202	3	3,001	6,824
Distribution						
Operation Expenses						
Supervision and Engineering	691	1,240	1,146	0	283	3,896
Load Dispatching	0	53	287	0	0	815
Station Expenses	226	645	409	0	209	1,017
Overhead Line Expenses	503	1,283	539	0	958	4,239
Underground Line Expenses	208	180	69	0	48	1,561
Street Lighting and Signal System Expenses	254	493	237	0	83	1,101
Meter Expenses	608	1,921	596	0	1,026	1,657
Customer Installations Expenses	197	118	38	0	86	376
Miscellaneous Distribution Expenses	320	2,435	941	0	386	3,603
Rents	110	313	190	0	6	9
Total Operation Expenses	3,117	8,682	4,453	0	3,086	18,273
Maintenance Expenses						
Supervision and Engineering	624	1,067	2,304	0	252	2,941
Structures	0	28	36	0	47	155
Station Equipment	436	1,308	1,136	0	445	1,214
Overhead Lines	1,786	15,230	4,658	0	2,664	10,206
Underground Lines	267	984	276	0	225	1,500
Line Transformers	59	727	222	0	68	1,264
Street Lighting and Signal Systems	208	467	181	0	121	1,031
Meters	455	402	217	0	65	358
Miscellaneous Distribution Plant	8	25	143	0	46	16
Total Maintenance Expenses	3,843	20,238	9,173	0	3,931	18,685
Total Distribution Expenses	6,960	28,919	13,626	0	7,017	36,958
Customer Accounts Expenses						
Supervision	367	339	2,222	0	236	403
Meter Reading Expenses	1,376	2,477	1,229	0	698	2,682
Customer Records and Collection Expenses	3,082	10,604	3,313	0	2,346	10,583
Uncollectible Accounts	132	1,993	1,436	0	204	2,877
Miscellaneous Customer Accounts Expenses	59	0	123	0	130	0
Total Customer Accounts Expenses	5,016	15,412	8,323	0	3,614	16,548
Customer Service and Information Expenses						
Supervision	165	266	535	0	285	560
Customer Assistance Expenses	826	1,707	1,070	0	590	2,335
Informational and Instructional Expenses	194	232	243	0	141	553
Miscellaneous Customer Service and Informational Expenses	26	136	243	0	41	0
Total Customer Service and Informational Expenses	1,211	2,340	2,091	0	1,057	3,448

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Minnesota Otter Tail Power Co	Mississippi Mississippi Power & Light Co	Mississippi Mississippi Power Co	Mississippi System Energy Resources Inc	Missouri Empire District Electric Co	Missouri Kansas City Power & Light Co
Sales Expenses						
Supervision	36	249	583	0	105	81
Demonstrating and Selling Expenses	825	2,127	3,697	0	426	0
Advertising Expenses	120	1,015	963	0	0	16
Miscellaneous Sales Expenses	353	59	292	0	40	312
Total Sales Expenses	1,335	3,450	5,535	0	571	409
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	8,993	11,149	11,997	5,679	2,455	20,589
Office Supplies and Expenses	1,778	16,098	3,337	-22,436	1,281	5,374
(less) Administrative Expenses						
Transferred (credit)	1,630	0	956	0	343	1,685
Outside Services Employed	1,467	3,116	9,164	10,620	844	2,955
Property Insurance	1,199	2,112	2,142	5,377	442	3,083
Injuries And Damages	560	3,308	1,435	79	286	3,030
Employee Pensions And Benefits	1,863	5,490	10,242	2,637	2,040	13,778
Franchise Requirements	0	0	0	0	1,991	0
Regulatory Commission Expenses	170	588	400	1,105	199	1,165
(less) Duplicate Charges (credit)	0	0	15	0	2,083	1,132
General Advertising Expenses	90	761	643	0	36	80
Miscellaneous General Expenses	516	869	-621	1,026	1,291	4,592
Rents	253	371	1,227	54,928	138	3,484
Total Operation Expenses	15,259	43,860	38,995	59,015	8,579	55,314
Maintenance of General Plant	989	979	1,406	0	249	2,510
Total Administrative and General Expenses	16,148	44,840	40,401	59,015	8,828	57,824
Total Electric Operation and Maintenance Expenses	97,373	512,098	278,048	240,398	78,308	286,738
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	6,067	8,404	19,575	35,123	5,552	44,830
Transmission	2,206	2,386	1,607	0	1,175	1,627
Distribution	5,456	15,545	6,428	0	3,875	15,151
Customer Accounts	4,050	7,266	4,888	0	2,046	7,868
Customer Service and Informational Expenses	693	1,838	1,366	0	778	2,033
Sales Expenses	254	890	2,601	0	461	239
Administrative and General	9,293	12,185	12,293	5,843	2,670	22,767
Allocated from Clearing Accounts	683	917	756	618	1,441	6,225
Total Salaries and Wages	28,701	49,431	49,514	41,584	17,997	100,740
Number of Electric Department Employees						
Regular Full-time Employees	795	1,622	1,713	1,150	659	3,191
Part-time and Temporary Employees	32	78	37	16	32	25
Total Electric Department Employees	827	1,700	1,750	1,166	691	3,216

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Missouri UtiliCorp United Inc	Montana Montana Power Co	Nevada Nevada Power Co	Nevada Sierra Pacific Power Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	461	3,637	681	1,605	1,622	846
Fuel	16,005	357,512	43,320	41,348	109,038	70,383
Steam Expenses	760	8,817	1,039	3,244	5,634	2,929
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	4,612	0	0	0	0	0
Electric Expenses	453	2,065	337	2,048	5,438	2,319
Miscellaneous Steam Power Expenses	762	10,175	783	3,053	4,002	1,042
Rents	10	109	41	36,598	72	30
Total Operation Expenses	13,840	382,315	46,201	87,896	125,805	77,550
Maintenance Expenses						
Supervision and Engineering	268	6,911	463	1,255	3,037	275
Structures	325	3,683	151	1,201	2,541	176
Boiler Plant	2,821	35,300	6,383	9,485	18,528	2,674
Electric Plant	538	10,226	1,128	2,409	7,370	2,389
Miscellaneous Steam Plant	120	6,423	1,079	1,482	1,846	272
Total Maintenance Expenses	4,173	62,542	9,204	15,831	33,323	5,786
Total Steam Power Production Expenses	18,013	444,857	55,405	103,727	159,127	83,336
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	12,168	0	0	0	0
Fuel	0	63,147	0	0	0	0
Coolants and Water	0	3,220	0	0	0	0
Steam Expenses	0	2,917	0	0	0	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	4,063	0	0	0	0
Miscellaneous Nuclear Power Expenses	0	26,295	0	0	0	0
Rents	0	14	0	0	0	0
Total Operation Expenses	0	111,824	0	0	0	0
Maintenance Expenses						
Supervision and Engineering	0	3,844	0	0	0	0
Structures	0	6,054	0	0	0	0
Reactor Plant Equipment	0	10,863	0	0	0	0
Electric Plant	0	5,143	0	0	0	0
Miscellaneous Nuclear Plant	0	6,228	0	0	0	0
Total Maintenance Expenses	0	32,131	0	0	0	0
Total Nuclear Power Production Expenses	0	143,955	0	0	0	0
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	449	0	742	0	39
Water for Power	0	35	0	541	0	0
Hydraulic Expenses	0	309	0	333	0	60
Electric Expenses	0	2,221	0	1,188	0	185
Miscellaneous Hydraulic Expenses	0	956	0	450	0	40
Rents	0	0	0	10,500	0	108
Total Operation Expenses	0	3,971	0	13,755	0	432

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Missouri UtiliCorp United Inc	Montana Montana Power Co	Nevada Nevada Power Co	Nevada Sierra Pacific Power Co
Maintenance Expenses						
Supervision and Engineering	0	428	0	142	0	22
Structures	0	453	0	253	0	37
Reservoirs, Dams and Waterways	0	311	0	484	0	232
Electric Plant	0	844	0	603	0	95
Miscellaneous Hydraulic Plant	0	439	0	112	0	1
Total Maintenance Expenses	0	2,474	0	1,594	0	387
Total Hydraulic Power Production Expenses	0	6,445	0	15,349	0	819
Other Power						
Operation Expenses						
Supervision and Engineering	15	0	5	0	68	33
Fuel	293	634	695	41	7,066	356
Generation Expenses	50	138	150	11	164	94
Miscellaneous Other Power Expenses	121	28	192	1	127	32
Rents	0	0	3,347	0	0	0
Total Operation Expenses	479	800	4,389	53	7,424	515
Maintenance Expenses						
Supervision and Engineering	25	58	104	0	34	29
Structures	0	18	34	0	3	18
Generating and Electric Plant	281	193	186	42	2,385	549
Miscellaneous Other Power Plant	2	5	20	0	0	9
Total Maintenance Expenses	307	273	344	43	2,422	606
Total Other Power Production Expenses	786	1,073	4,733	95	9,846	1,121
Other Power Supply Expenses						
Purchased Power	4,236	-4,243	30,106	32,147	79,852	69,287
System Control and Load Dispatching	110	2,143	176	811	0	1,712
Other Expenses	-6	5,100	9	3	-29,825	99
Total Other Power Supply Expenses	4,340	3,000	30,290	32,961	50,028	71,097
Total Power Production Expenses	23,139	599,329	90,429	152,133	219,002	156,373
Transmission						
Operation Expenses						
Supervision and Engineering	270	138	92	1,258	342	391
Load Dispatching	141	1,756	310	317	825	89
Station Expenses	82	651	157	238	249	561
Overhead Line Expenses	9	117	49	391	55	193
Underground Line Expenses	0	0	5	0	0	0
Transmission of Electricity by Others	32	513	1,299	4,953	0	0
Miscellaneous Transmission Expenses	72	509	7	51	47	72
Rents	12	865	13	5,442	193	60
Total Operation Expenses	618	4,550	1,930	12,651	1,712	1,366

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Missouri UtiliCorp United Inc	Montana Montana Power Co	Nevada Nevada Power Co	Nevada Sierra Pacific Power Co
Maintenance Expenses						
Supervision and Engineering	72	248	2	249	316	23
Structures	0	120	55	3	100	0
Station Equipment	298	1,302	330	713	975	606
Overhead Lines	144	1,719	786	1,995	549	1,082
Underground Lines	0	0	1	0	0	0
Miscellaneous Transmission Plant	2	2	-1	1	7	2
Total Maintenance Expenses	516	3,391	1,173	2,961	1,546	1,712
Total Transmission Expenses	1,134	7,941	3,103	15,612	3,659	3,078
Distribution						
Operation Expenses						
Supervision and Engineering	406	2,779	444	1,626	461	2,701
Load Dispatching	80	433	5	44	741	0
Station Expenses	93	4,304	130	346	230	1,012
Overhead Line Expenses	53	4,429	804	1,574	811	939
Underground Line Expenses	-1	1,106	345	372	592	430
Street Lighting and Signal System Expenses	5	869	83	471	7	60
Meter Expenses	393	3,802	910	1,141	2,583	1,213
Customer Installations Expenses	160	1,943	249	1,212	1,033	629
Miscellaneous Distribution Expenses	430	5,369	791	939	592	2,290
Rents	10	161	279	157	83	497
Total Operation Expenses	1,630	25,195	4,040	7,884	7,134	9,771
Maintenance Expenses						
Supervision and Engineering	119	2,650	182	682	381	556
Structures	53	588	18	1	0	15
Station Equipment	97	8,333	718	941	750	460
Overhead Lines	1,214	26,583	4,458	3,899	1,681	3,465
Underground Lines	115	4,204	385	745	1,129	1,650
Line Transformers	312	2,296	309	579	509	688
Street Lighting and Signal Systems	23	1,557	205	316	7	122
Meters	8	429	221	312	417	133
Miscellaneous Distribution Plant	130	32	475	1	31	118
Total Maintenance Expenses	2,071	46,670	6,971	7,476	4,906	7,207
Total Distribution Expenses	3,700	71,865	11,011	15,359	12,040	16,977
Customer Accounts Expenses						
Supervision	76	1,172	268	94	118	630
Meter Reading Expenses	383	7,501	1,317	1,900	1,280	1,915
Customer Records and Collection Expenses	925	19,331	2,796	4,293	7,540	5,414
Uncollectible Accounts	92	11,220	350	1,489	1,681	1,043
Miscellaneous Customer Accounts Expenses	13	1,064	398	27	0	4
Total Customer Accounts Expenses	1,491	40,287	5,130	7,803	10,618	9,007
Customer Service and Information Expenses						
Supervision	44	564	148	155	0	614
Customer Assistance Expenses	318	2,394	88	209	4,243	1,439
Informational and Instructional Expenses	91	1,631	79	112	816	419
Miscellaneous Customer Service and Information Expenses	18	500	115	7	284	259
Total Customer Service and Information Expenses	471	5,089	430	483	5,342	2,731

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Missouri St. Joseph Light & Power Co	Missouri Union Electric Co	Missouri UtiliCorp United Inc	Montana Montana Power Co	Nevada Nevada Power Co	Nevada Sierra Pacific Power Co
Sales Expenses						
Supervision	11	926	1	143	0	0
Demonstrating and Selling Expenses	121	1,931	1	666	103	0
Advertising Expenses	16	44	508	173	0	0
Miscellaneous Sales Expenses	3	196	227	10	0	0
Total Sales Expenses	150	3,097	737	993	103	0
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	2,160	24,985	8,082	11,490	8,589	11,475
Office Supplies and Expenses	674	9,430	1,982	2,912	2,685	2,977
(less) Administrative Expenses						
Transferred (credit)	176	140	1,552	10,012	1,579	4,134
Outside Services Employed	350	3,451	1,841	1,242	2,569	765
Property Insurance	395	9,421	372	726	1,478	747
Injuries And Damages	569	7,526	906	2,653	3,739	3,572
Employee Pensions And Benefits	1,205	37,480	2,783	7,195	5,769	4,152
Franchise Requirements	0	9	2	0	0	0
Regulatory Commission Expenses	79	4,647	358	688	155	1,776
(less) Duplicate Charges (credit)	113	101	358	0	686	0
General Advertising Expenses	0	585	54	15	5	0
Miscellaneous General Expenses	985	12,818	2,746	4,277	3,762	3,702
Rents	220	826	708	114	598	6,331
Total Operation Expenses	6,349	110,937	17,925	21,300	27,084	31,365
Maintenance of General Plant	381	4,673	1,004	1,616	1,312	1,793
Total Administrative and General Expenses	6,729	115,611	18,929	22,916	28,396	33,157
Total Electric Operation and Maintenance Expenses	36,814	843,220	129,768	215,301	279,160	221,324
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	3,803	117,203	3,593	16,345	16,370	7,425
Transmission	620	4,070	579	2,878	1,804	1,391
Distribution	2,111	45,260	3,892	9,675	6,713	9,477
Customer Accounts	937	22,756	2,868	4,480	5,262	5,104
Customer Service and Informational Expenses	285	2,353	215	866	864	1,065
Sales Expenses	105	2,642	159	655	0	0
Administrative and General	2,351	30,955	5,239	13,274	8,323	11,090
Allocated from Clearing Accounts	532	8,962	4,536	829	7,949	6,469
Total Salaries and Wages	10,744	234,200	21,082	49,002	47,284	42,020
Number of Electric Department Employees						
Regular Full-time Employees	365	6,720	835	1,909	1,503	1,442
Part-time and Temporary Employees	2	11	10	0	40	46
Total Electric Department Employees	367	6,731	845	1,909	1,543	1,488

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	New Hampshire James River NH Electric Inc	New Hampshire New England Electric Transmission Corp	New Hampshire Public Service Co of NH	New Jersey Atlantic City Electric Co	New Jersey Jersey Central Power & Light Co	New Jersey Public Service Electric & Gas Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	0	0	2,448	5,038	1,481	16,132
Fuel	1,676	0	111,235	76,551	62,642	402,793
Steam Expenses	0	0	2,665	3,851	3,424	8,763
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	242	1,301	2,492	4,679
Miscellaneous Steam Power Expenses	0	0	2,864	4,827	8,594	23,328
Rents	0	0	86	15	47	147
Total Operation Expenses	1,676	0	119,540	91,583	78,680	455,843
Maintenance Expenses						
Supervision and Engineering	0	0	3,062	1,855	2,625	26,669
Structures	153	0	667	2,162	1,562	10,168
Boiler Plant	0	0	13,785	10,279	8,174	46,532
Electric Plant	0	0	4,353	4,432	2,825	16,745
Miscellaneous Steam Plant	0	0	2,048	1,540	1,840	4,494
Total Maintenance Expenses	153	0	23,915	20,267	17,026	104,607
Total Steam Power Production Expenses	1,830	0	143,455	111,851	95,706	560,450
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	365	9,718	24,685	51,320
Fuel	0	0	1,200	14,726	36,631	102,612
Coolants and Water	0	0	78	41	1,360	394
Steam Expenses	0	0	171	3,721	27,693	24,889
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	-1
Electric Expenses	0	0	81	607	1,227	4,794
Miscellaneous Nuclear Power Expenses	0	0	664	10,782	25,961	72,264
Rents	0	0	18	160	0	731
Total Operation Expenses	0	0	2,577	39,754	117,556	257,005
Maintenance Expenses						
Supervision and Engineering	0	0	132	4,929	5,674	26,207
Structures	0	0	60	659	1,575	5,168
Reactor Plant Equipment	0	0	279	6,225	39,125	37,895
Electric Plant	0	0	234	2,197	5,309	15,883
Miscellaneous Nuclear Plant	0	0	38	939	2,524	5,235
Total Maintenance Expenses	0	0	744	14,949	54,206	90,388
Total Nuclear Power Production Expenses	0	0	3,321	54,704	171,762	347,393
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	56	0	34	61
Water for Power	722	0	168	0	0	0
Hydraulic Expenses	0	0	99	0	20	63
Electric Expenses	0	0	131	0	9	12
Miscellaneous Hydraulic Expenses	13	0	270	0	183	233
Rents	0	0	1	0	2	23
Total Operation Expenses	735	0	724	0	247	390

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item	James River-NH Electric Inc	New England Electric Transmission Corp	Public Service Co of NH	Atlantic City Electric Co	Jersey Central Power & Light Co	Public Service Electric & Gas Co
Maintenance Expenses						
Supervision and Engineering	709	0	100	0	129	149
Structures	0	0	239	0	10	19
Reservoirs, Dams and Waterways	0	0	188	0	144	63
Electric Plant	0	0	433	0	134	143
Miscellaneous Hydraulic Plant	0	0	78	0	138	180
Total Maintenance Expenses	709	0	1,037	0	554	555
Total Hydraulic Power Production Expenses	1,444	0	1,761	0	802	945
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	70	260	465	1,975
Fuel	0	0	1,255	7,209	49,322	37,494
Generation Expenses	0	0	40	142	1,678	799
Miscellaneous Other Power Expenses	19	0	66	766	1,741	579
Rents	0	0	0	1,193	3,031	0
Total Operation Expenses	19	0	1,431	9,571	56,236	40,847
Maintenance Expenses						
Supervision and Engineering	0	0	76	379	483	2,056
Structures	0	0	6	170	884	415
Generating and Electric Plant	0	0	574	5,653	5,443	17,369
Miscellaneous Other Power Plant	0	0	49	8	409	162
Total Maintenance Expenses	0	0	704	6,211	7,220	20,003
Total Other Power Production Expenses	19	0	2,135	15,782	63,456	60,850
Other Power Supply Expenses						
Purchased Power	6,249	0	176,165	102,951	407,569	197,765
System Control and Load Dispatching	0	0	2,687	905	3,405	1,370
Other Expenses	0	0	47	6,965	-23,774	1,868
Total Other Power Supply Expenses	6,249	0	178,899	110,821	387,201	201,003
Total Power Production Expenses	9,541	0	329,570	293,157	718,926	1,170,641
Transmission						
Operation Expenses						
Supervision and Engineering	0	1	311	2,057	1,470	1,854
Load Dispatching	0	0	0	2,352	2,687	63
Station Expenses	0	619	508	880	1,505	2,765
Overhead Line Expenses	38	7	194	66	746	302
Underground Line Expenses	0	0	1	2	4	16
Transmission of Electricity by Others	0	0	5,500	1,921	5,390	2,519
Miscellaneous Transmission Expenses	0	42	-31	1,091	3,607	2,270
Rents	0	41	1,828	5	4,221	1,127
Total Operation Expenses	38	711	8,313	8,374	19,631	10,918

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	New Hampshire James River-NH Electric Inc	New Hampshire New England Electric Transmission Corp	New Hampshire Public Service Co of NH	New Jersey Atlantic City Electric Co	New Jersey Jersey Central Power & Light Co	New Jersey Public Service Electric & Gas Co
Maintenance Expenses						
Supervision and Engineering	0	80	349	381	228	1,462
Structures	0	0	42	25	1	246
Station Equipment	0	423	1,361	2,381	3,345	4,102
Overhead Lines	60	96	1,264	979	1,466	2,868
Underground Lines	0	0	5	23	25	564
Miscellaneous Transmission Plant	0	0	2	1	11	135
Total Maintenance Expenses	60	600	3,022	3,790	5,075	9,378
Total Transmission Expenses	99	1,311	11,335	12,164	24,707	20,296
Distribution						
Operation Expenses						
Supervision and Engineering	0	0	1,951	2,181	1,647	6,815
Load Dispatching	0	0	0	0	0	4,390
Station Expenses	0	0	183	935	1,286	6,275
Overhead Line Expenses	0	0	2,223	1,243	3,951	4,948
Underground Line Expenses	0	0	223	174	953	2,966
Street Lighting and Signal System Expenses	0	0	114	590	1,495	958
Meter Expenses	0	0	1,420	1,762	2,937	3,170
Customer Installations Expenses	0	0	333	1,829	4,688	2,910
Miscellaneous Distribution Expenses	0	0	4,290	2,832	8,875	5,800
Rents	0	0	176	138	2,867	568
Total Operation Expenses	0	0	10,912	11,684	28,697	38,800
Maintenance Expenses						
Supervision and Engineering	0	0	604	642	1,451	7,351
Structures	0	0	2	40	3	3,385
Station Equipment	0	0	571	865	2,681	3,409
Overhead Lines	0	0	8,298	5,503	17,186	20,794
Underground Lines	0	0	415	697	5,418	7,654
Line Transformers	0	0	141	457	335	4,265
Street Lighting and Signal Systems	0	0	89	401	389	999
Meters	0	0	195	165	600	1,177
Miscellaneous Distribution Plant	0	0	91	50	320	785
Total Maintenance Expenses	0	0	10,404	8,821	28,382	49,820
Total Distribution Expenses	0	0	21,317	20,505	57,079	88,620
Customer Accounts Expenses						
Supervision	0	0	680	0	606	2,044
Meter Reading Expenses	0	0	1,994	2,230	5,584	11,931
Customer Records and Collection Expenses	0	0	5,641	9,196	14,298	20,961
Uncollectible Accounts	0	0	2,450	3,622	3,418	10,043
Miscellaneous Customer Accounts Expenses	0	0	1,007	1,144	1,655	1,546
Total Customer Accounts Expenses	0	0	11,772	16,192	25,562	46,524
Customer Service and Information Expenses						
Supervision	0	0	0	2,905	3,875	2,480
Customer Assistance Expenses	0	0	267	809	7,758	15,133
Informational and Instructional Expenses	0	0	5	465	717	1,981
Miscellaneous Customer Service and Information Expenses	0	0	0	990	-1,293	931
Total Customer Service and Information Expenses	0	0	272	5,169	11,058	20,526

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item	James River-NH Electric Inc	New England Electric Transmission Corp	Public Service Co of NH	Atlantic City Electric Co	Jersey Central Power & Light Co	Public Service Electric & Gas Co
Sales Expenses						
Supervision	0	0	613	23	0	247
Demonstrating and Selling Expenses	0	0	255	7	4	0
Advertising Expenses	0	0	7	0	0	0
Miscellaneous Sales Expenses	0	0	390	0	3	0
Total Sales Expenses	0	0	1,264	31	8	247
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	315	38	20,741	14,620	11,941	39,216
Office Supplies and Expenses	0	12	4,512	5,791	14,574	25,942
(less) Administrative Expenses						
Transferred (credit)	0	0	1,538	0	0	0
Outside Services Employed	0	20	17,723	2,903	32,388	2,567
Property Insurance	0	42	749	1,365	6,469	12,596
Injuries And Damages	0	139	7,581	4,877	6,070	16,504
Employee Pensions And Benefits	0	66	11,581	15,232	14,618	74,917
Franchise Requirements	0	0	46	0	0	0
Regulatory Commission Expenses	0	67	1,212	1,263	465	5,314
(less) Duplicate Charges (credit)	0	0	3,114	865	0	4,603
General Advertising Expenses	0	0	230	19	603	738
Miscellaneous General Expenses	225	0	1,781	3,286	6,587	-907
Rents	0	4	5,705	0	799	14,137
Total Operation Expenses	540	388	67,208	48,480	94,514	186,421
Maintenance of General Plant	0	0	1,599	1,211	3,025	6,684
Total Administrative and General Expenses	540	388	68,807	49,691	97,538	193,105
Total Electric Operation and Maintenance Expenses	10,180	1,698	444,337	396,909	934,878	1,539,958
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	0	0	14,487	15,721	19,370	172,764
Transmission	0	0	1,532	5,136	6,324	8,940
Distribution	0	0	13,106	11,037	29,902	61,381
Customer Accounts	0	0	6,880	7,007	13,298	25,803
Customer Service and Informational Expenses	0	0	204	1,403	2,448	5,658
Sales Expenses	0	0	1,041	0	5	202
Administrative and General	0	0	20,544	17,365	13,843	48,481
Allocated from Clearing Accounts	0	0	4,364	8,136	6,666	0
Total Salaries and Wages	0	0	62,159	65,806	91,856	327,230
Number of Electric Department Employees						
Regular Full-time Employees	28	0	2,774	2,014	3,394	9,331
Part-time and Temporary Employees	0	0	12	7	10	64
Total Electric Department Employees	28	0	2,786	2,021	3,404	9,395

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	New Jersey	New Mexico	New York	New York	New York	New York
Item	Rockland Electric Co	Public Service Co of NM	Central Hudson Gas & Electric Corp	Consolidated Edison Co-NY Inc	Long Island Lighting Co	Long Sault Inc
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	0	2,145	1,186	25,084	6,129	0
Fuel	0	104,368	124,246	758,616	387,262	0
Steam Expenses	0	4,798	2,622	24,235	7,428	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	6,520	0	0
Electric Expenses	0	2,361	863	10,233	3,973	0
Miscellaneous Steam Power Expenses	0	2,487	2,287	32,014	6,662	0
Rents	0	22	744	1,567	24	0
Total Operation Expenses	0	116,181	131,949	845,229	411,479	0
Maintenance Expenses						
Supervision and Engineering	0	1,735	718	14,477	7,874	0
Structures	0	1,280	287	14,852	2,017	0
Boiler Plant	0	12,704	5,858	54,344	14,542	0
Electric Plant	0	2,966	1,639	38,214	14,781	0
Miscellaneous Steam Plant	0	1,834	168	4,810	1,354	0
Total Maintenance Expenses	0	20,518	8,669	126,697	40,568	0
Total Steam Power Production Expenses	0	136,699	140,617	971,926	452,047	0
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	5,939	2,807	16,223	5,230	0
Fuel	0	6,220	4,701	8,457	12,639	0
Coolants and Water	0	1,044	16	682	32	0
Steam Expenses	0	3,702	1,645	737	3,289	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	559	122	758	244	0
Miscellaneous Nuclear Power Expenses	0	10,545	1,135	47,291	1,198	0
Rents	0	89,886	266	91	532	0
Total Operation Expenses	0	117,896	10,692	74,240	23,164	0
Maintenance Expenses						
Supervision and Engineering	0	3,929	342	20,441	644	0
Structures	0	1,494	189	752	378	0
Reactor Plant Equipment	0	2,396	975	29,090	1,949	0
Electric Plant	0	1,326	371	3,407	743	0
Miscellaneous Nuclear Plant	0	4,433	594	14,125	1,118	0
Total Maintenance Expenses	0	13,578	2,471	67,815	4,832	0
Total Nuclear Power Production Expenses	0	131,473	13,163	142,055	27,995	0
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	71	0	0	0
Water for Power	0	0	127	0	0	0
Hydraulic Expenses	0	0	14	0	0	0
Electric Expenses	0	0	131	0	0	0
Miscellaneous Hydraulic Expenses	0	0	33	0	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	375	0	0	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	New Jersey Rockland Electric Co	New Mexico Public Service Co of NM	New York Central Hudson Gas & Electric Corp	New York Consolidated Edison Co-NY Inc	New York Long Island Lighting Co	New York Long Sault Inc
Maintenance Expenses						
Supervision and Engineering	0	0	31	0	0	0
Structures	0	0	96	0	0	0
Reservoirs, Dams and Waterways	0	0	69	0	0	0
Electric Plant	0	0	140	0	0	0
Miscellaneous Hydraulic Plant	0	0	36	0	0	0
Total Maintenance Expenses	0	0	372	0	0	0
Total Hydraulic Power Production Expenses	0	0	747	0	0	0
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	39	1,480	488	0
Fuel	0	82	1,004	57,561	53,754	0
Generation Expenses	0	0	3	4,037	769	0
Miscellaneous Other Power Expenses	0	7	0	643	930	0
Rents	0	0	0	3,970	138	0
Total Operation Expenses	0	89	1,047	67,691	56,079	0
Maintenance Expenses						
Supervision and Engineering	0	1	9	1,520	575	0
Structures	0	1	5	452	261	0
Generating and Electric Plant	0	116	52	12,946	8,179	0
Miscellaneous Other Power Plant	0	0	2	919	49	0
Total Maintenance Expenses	0	118	67	15,837	9,064	0
Total Other Power Production Expenses	0	208	1,114	83,528	65,143	0
Other Power Supply Expenses						
Purchased Power	62,208	44,609	13,300	379,634	112,720	0
System Control and Load Dispatching	0	869	2,080	6,156	121	0
Other Expenses	0	-668	-79	3,584	2,412	0
Total Other Power Supply Expenses	62,208	44,811	15,300	389,373	115,253	0
Total Power Production Expenses	62,208	313,192	170,941	1,586,883	660,438	0
Transmission						
Operation Expenses						
Supervision and Engineering	294	459	540	1,355	2,592	167
Load Dispatching	116	225	259	7,223	542	0
Station Expenses	14	125	736	9,208	1,600	38
Overhead Line Expenses	15	35	75	259	1,871	75
Underground Line Expenses	0	0	0	596	626	0
Transmission of Electricity by Others	0	3,295	2,457	0	17,938	0
Miscellaneous Transmission Expenses	15	162	155	4,422	39	0
Rents	283	7,858	665	21,633	1,118	0
Total Operation Expenses	735	12,159	4,888	44,696	26,326	279

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	New Jersey Rockland Electric Co	New Mexico Public Service Co of NM	New York Central Hudson Gas & Electric Corp	New York Consolidated Edison Co-NY Inc	New York Long Island Lighting Co	New York Long Sault Inc
Maintenance Expenses						
Supervision and Engineering	0	88	236	2,026	1,043	127
Structures	0	7	4	4,489	551	0
Station Equipment	503	1,182	461	20,508	2,671	342
Overhead Lines	146	173	489	1,850	2,183	286
Underground Lines	1	0	0	8,812	229	0
Miscellaneous Transmission Plant	0	42	0	0	14	0
Total Maintenance Expenses	650	1,493	1,190	37,785	6,692	755
Total Transmission Expenses	1,385	13,652	6,078	82,482	33,017	1,034
Distribution						
Operation Expenses						
Supervision and Engineering	232	378	1,380	6,709	6,092	0
Load Dispatching	54	0	170	3,163	0	0
Station Expenses	57	171	558	16,845	1,764	0
Overhead Line Expenses	257	362	541	7,294	4,893	0
Underground Line Expenses	41	260	277	24,842	676	0
Street Lighting and Signal System Expenses	-13	131	313	231	408	0
Meter Expenses	553	1,290	933	12,847	2,456	0
Customer Installations Expenses	45	44	410	9,187	755	0
Miscellaneous Distribution Expenses	359	1,220	1,275	10,529	2,011	0
Rents	633	158	245	18,825	72	0
Total Operation Expenses	2,220	4,014	6,102	110,472	19,127	0
Maintenance Expenses						
Supervision and Engineering	8	28	494	10,720	6,492	0
Structures	0	18	0	2,307	295	0
Station Equipment	159	599	278	11,575	2,666	0
Overhead Lines	1,669	2,604	5,789	19,781	35,336	0
Underground Lines	487	935	535	71,891	5,682	0
Line Transformers	0	171	246	17,519	926	0
Street Lighting and Signal Systems	43	351	127	2,035	869	0
Meters	41	328	178	3,016	65	0
Miscellaneous Distribution Plant	0	87	3	2,660	262	0
Total Maintenance Expenses	2,408	5,120	7,851	141,503	52,594	0
Total Distribution Expenses	4,628	9,135	13,753	251,975	71,721	0
Customer Accounts Expenses						
Supervision	86	217	303	4,849	172	0
Meter Reading Expenses	585	1,533	1,707	24,733	5,773	0
Customer Records and Collection Expenses	1,486	7,142	4,685	85,222	20,214	0
Uncollectible Accounts	82	1,175	1,900	18,792	10,233	0
Miscellaneous Customer Accounts Expenses	0	33	633	8,245	1,106	0
Total Customer Accounts Expenses	2,239	10,152	9,228	141,841	37,499	0
Customer Service and Information Expenses						
Supervision	22	145	1	640	0	0
Customer Assistance Expenses	280	1,765	3,578	2,228	27,330	0
Informational and Instructional Expenses	82	418	349	2,179	5,270	0
Miscellaneous Customer Service and Informational Expenses	81	297	46	5,629	0	0
Total Customer Service and Informational Expenses	465	2,624	3,974	10,676	32,599	0

See endnotes at end of an individual electric utility

Table 4C. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	New Jersey	New Mexico	New York	New York	New York	New York
Item	Rockland Electric Co.	Public Service Co. of NM	Central Hudson Gas & Electric Corp.	Consolidated Edison Co.-NY Inc.	Long Island Lighting Co.	Long Sault Inc.
Sales Expenses						
Supervision	0	0	0	0	0	0
Demonstrating and Selling Expenses	119	1,339	0	0	0	0
Advertising Expenses	-2	0	0	574	0	0
Miscellaneous Sales Expenses	0	0	0	0	9,265	0
Total Sales Expenses	118	1,339	0	574	9,265	0
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	3,602	11,215	8,711	89,328	22,420	8
Office Supplies and Expenses	1,155	5,325	2,073	35,750	10,199	1
(less) Administrative Expenses Transferred (credit)	500	4,231	0	33,201	1,396	0
Outside Services Employed	623	3,040	2,369	1,389	9,169	18
Property Insurance	9	3,249	828	7,458	3,400	12
Injuries And Damages	671	3,051	2,416	31,728	9,958	0
Employee Pensions And Benefits	2,793	9,205	7,593	139,000	24,815	0
Franchise Requirements	0	0	0	8	22	0
Regulatory Commission Expenses	273	1,122	1,683	12,163	6,006	-10
(less) Duplicate Charges (credit)	56	0	0	7,186	4,060	0
General Advertising Expenses	0	7	0	0	0	0
Miscellaneous General Expenses	1,189	6,165	3,515	40,161	6,975	0
Rents	1,135	1,844	558	0	4,098	0
Total Operation Expenses	10,894	39,993	29,746	316,599	91,606	29
Maintenance of General Plant	78	978	1,170	0	1,818	0
Total Administrative and General Expenses	10,972	40,971	30,916	316,599	93,424	29
Total Electric Operation and Maintenance Expenses	82,013	391,064	234,890	2,391,029	937,963	1,064
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	0	29,376	10,030	109,209	33,150	0
Transmission	709	1,530	1,583	511	5,716	0
Distribution	2,958	5,411	8,692	11,148	25,565	0
Customer Accounts	1,470	4,730	4,266	84,069	18,162	0
Customer Service and Informational Expenses	222	1,400	689	603	1,347	0
Sales Expenses	62	951	0	0	0	0
Administrative and General	4,248	10,879	9,694	84,476	24,564	0
Allocated from Clearing Accounts	0	5,530	1,280	258,870	36,275	0
Total Salaries and Wages	9,669	59,806	36,235	548,887	144,778	0
Number of Electric Department Employees						
Regular Full-time Employees	12	1,759	1,138	16,303	3,245	0
Part-time and Temporary Employees	0	43	29	107	0	0
Total Electric Department Employees	12	1,802	1,168	16,410	3,245	0

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	New York	New York	New York	New York	North Carolina	North Carolina
Item	New York State Electric & Gas Corp	Niagara Mohawk Power Corp	Orange & Rockland Utilities Inc	Rochester Gas & Electric Corp	Carolina Power & Light Co	Duke Power Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	9,265	542	1,360	1,171	3,984	5,038
Fuel	270,462	388,078	109,888	45,118	442,778	450,457
Steam Expenses	7,194	11,538	2,593	2,966	4,454	15,042
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	4,014	6,376	1,208	1,891	2,324	7,119
Miscellaneous Steam Power Expenses	13,757	7,818	3,024	1,521	12,842	10,729
Rents	137	57	0	513	0	0
Total Operation Expenses	304,830	414,409	118,072	53,180	466,382	488,386
Maintenance Expenses						
Supervision and Engineering	6,313	799	658	453	6,774	6,915
Structures	2,432	2,903	553	1,355	2,533	3,975
Boiler Plant	25,667	26,829	5,631	5,377	24,647	34,467
Electric Plant	4,830	11,731	2,628	1,268	7,270	10,202
Miscellaneous Steam Plant	2,969	1,840	722	418	1,723	3,371
Total Maintenance Expenses	42,211	44,152	10,193	8,871	42,948	58,931
Total Steam Power Production Expenses	347,041	458,561	128,265	62,051	509,330	547,317
Nuclear Power						
Operation Expenses						
Supervision and Engineering	5,485	57,299	0	12,764	15,913	9,558
Fuel	8,590	23,353	0	23,059	77,587	213,043
Coolants and Water	32	228	0	811	4,803	7,499
Steam Expenses	3,289	46,397	0	8,897	22,789	35,788
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	244	1,468	0	228	3,346	13,643
Miscellaneous Nuclear Power Expenses	6,368	9,169	0	24,712	72,101	62,695
Rents	532	4,002	0	441	0	0
Total Operation Expenses	24,540	141,916	0	70,911	196,538	342,228
Maintenance Expenses						
Supervision and Engineering	657	5,633	0	1,348	19,366	43,636
Structures	378	3,333	0	381	21,604	11,793
Reactor Plant Equipment	1,950	9,445	0	17,187	32,523	38,337
Electric Plant	743	2,034	0	5,915	13,879	29,699
Miscellaneous Nuclear Plant	1,526	11,474	0	2,325	25,960	55,107
Total Maintenance Expenses	5,254	31,919	0	27,155	113,332	178,572
Total Nuclear Power Production Expenses	29,794	173,834	0	98,066	309,870	520,800
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	23	88	45	72	152	369
Water for Power	0	2,026	569	256	63	0
Hydraulic Expenses	38	3,474	71	358	109	1,098
Electric Expenses	58	1,498	204	196	426	4,934
Miscellaneous Hydraulic Expenses	186	688	206	136	784	1,461
Rents	0	502	0	0	0	379
Total Operation Expenses	305	8,276	1,095	1,018	1,533	8,262

See introduction at end of all individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
Maintenance Expenses						
Supervision and Engineering	164	117	101	38	133	1,141
Structures	76	283	37	65	138	515
Reservoirs, Dams and Waterways	279	1,253	233	57	639	1,690
Electric Plant	436	2,946	316	251	700	4,867
Miscellaneous Hydraulic Plant	109	582	47	57	158	358
Total Maintenance Expenses	1,064	5,181	733	468	1,768	8,571
Total Hydraulic Power Production Expenses	1,369	13,457	1,829	1,487	3,301	16,834
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	17	19	229	168
Fuel	23	3,954	1,097	4,507	7,905	2,386
Generation Expenses	13	140	111	0	258	57
Miscellaneous Other Power Expenses	8	9	2	30	213	105
Rents	0	0	563	0	3,860	0
Total Operation Expenses	44	4,103	1,790	4,556	12,466	2,715
Maintenance Expenses						
Supervision and Engineering	0	0	42	0	279	99
Structures	1	55	0	0	172	149
Generating and Electric Plant	17	1,066	201	642	1,054	1,311
Miscellaneous Other Power Plant	1	4	1	4	97	136
Total Maintenance Expenses	18	1,125	243	646	1,603	1,695
Total Other Power Production Expenses	62	5,228	2,033	5,202	14,069	4,410
Other Power Supply Expenses						
Purchased Power	26,019	362,490	25,916	41,761	135,391	575,435
System Control and Load Dispatching	3,044	3,537	1,381	1,858	2,123	0
Other Expenses	60	0	3	-1,063	-29,429	231
Total Other Power Supply Expenses	29,123	366,036	27,300	42,557	108,085	575,666
Total Power Production Expenses	407,390	1,017,118	159,427	209,363	944,655	1,665,026
Transmission						
Operation Expenses						
Supervision and Engineering	595	299	876	667	59	1,375
Load Dispatching	1,801	3,339	841	926	1,484	3,569
Station Expenses	2,059	5,546	96	208	1,994	4,831
Overhead Line Expenses	476	872	129	131	574	874
Underground Line Expenses	0	373	1	33	0	0
Transmission of Electricity by Others	16,803	2,950	1,129	6,894	4,435	795
Miscellaneous Transmission Expenses	348	979	304	79	905	3,820
Rents	204	14,987	649	450	552	2
Total Operation Expenses	22,286	29,345	4,026	9,407	10,004	15,267

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
Maintenance Expenses						
Supervision and Engineering	416	127	1	379	256	0
Structures	46	146	0	63	100	18
Station Equipment	2,548	8,207	1,696	1,184	2,867	7,077
Overhead Lines	3,931	5,590	942	670	5,406	11,660
Underground Lines	11	249	1	680	0	0
Miscellaneous Transmission Plant	0	19	0	10	3	54
Total Maintenance Expenses	6,953	14,337	2,640	2,985	8,633	18,701
Total Transmission Expenses	29,239	43,681	6,666	12,392	18,637	33,967
Distribution						
Operation Expenses						
Supervision and Engineering	2,350	892	407	2,195	3,495	4,526
Load Dispatching	13	0	157	0	0	0
Station Expenses	2,245	5,398	439	781	2,313	6,664
Overhead Line Expenses	6,106	6,825	1,529	961	2,561	1,777
Underground Line Expenses	690	243	382	379	1,539	4,743
Street Lighting and Signal System Expenses	262	1,004	84	244	448	691
Meter Expenses	5,077	7,443	1,922	1,599	4,683	8,402
Customer Installations Expenses	353	3,533	286	731	1,529	4,678
Miscellaneous Distribution Expenses	2,102	6,690	1,118	3,405	9,158	7,808
Rents	189	376	3	33	3,285	29
Total Operation Expenses	19,387	32,903	6,329	10,327	29,012	39,318
Maintenance Expenses						
Supervision and Engineering	2,937	668	13	1,194	2,469	431
Structures	27	933	0	295	110	4
Station Equipment	2,106	4,464	844	1,423	2,686	4,207
Overhead Lines	24,881	61,171	8,141	6,999	34,099	48,986
Underground Lines	1,119	3,708	1,350	1,547	4,667	7,269
Line Transformers	2,114	2,796	55	815	1,971	3,992
Street Lighting and Signal Systems	1,012	2,456	282	503	602	891
Meters	727	1,724	169	288	1,453	725
Miscellaneous Distribution Plant	110	48	1	0	681	-330
Total Maintenance Expenses	35,033	77,513	10,655	13,064	48,737	66,174
Total Distribution Expenses	54,420	110,417	17,184	23,391	77,749	105,492
Customer Accounts Expenses						
Supervision	1,135	1,358	315	139	709	2,160
Meter Reading Expenses	4,178	6,030	1,613	1,120	5,449	11,192
Customer Records and Collection Expenses	23,779	21,827	5,325	5,624	22,916	33,622
Uncollectible Accounts	4,931	17,858	801	1,785	7,034	7,264
Miscellaneous Customer Accounts Expenses	1,346	1,820	0	144	176	409
Total Customer Accounts Expenses	35,370	48,893	8,055	8,812	36,284	54,648
Customer Service and Information Expenses						
Supervision	1,319	1,494	79	58	1,616	3,969
Customer Assistance Expenses	17,991	5,538	908	2,732	6,772	14,607
Informational and Instructional Expenses	687	840	213	222	2,894	4,033
Miscellaneous Customer Service and Information Expenses	1,283	449	5	201	321	177
Total Customer Service and Information Expenses	21,280	8,321	1,203	3,213	11,603	22,787

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
Sales Expenses						
Supervision	52	1,025	0	30	528	0
Demonstrating and Selling Expenses	1,530	341	308	447	1,293	0
Advertising Expenses	450	58	31	38	0	0
Miscellaneous Sales Expenses	115	137	0	70	21	45
Total Sales Expenses	2,147	1,560	339	585	1,841	45
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	17,317	50,335	9,080	9,410	27,664	58,470
Office Supplies and Expenses	13,574	20,720	3,120	3,817	27,147	21,698
(less) Administrative Expenses Transferred (credit)	0	0	1,638	0	0	27,266
Outside Services Employed	7,068	10,108	1,533	1,643	4,489	6,371
Property Insurance	2,360	8,107	252	6,296	14,340	23,629
Injuries And Damages	6,904	13,646	1,847	3,158	4,561	18,172
Employee Pensions And Benefits	14,301	52,936	7,624	13,942	46,848	59,048
Franchise Requirements	28	10	0	0	0	0
Regulatory Commission Expenses	3,186	14,151	864	4,708	3,514	4,176
(less) Duplicate Charges (credit)	2,668	1,145	456	25	1,568	9,546
General Advertising Expenses	10	227	8	77	2,6	121
Miscellaneous General Expenses	7,592	13,124	3,676	-3,222	29,523	35,599
Rents	135	18,462	1,320	2,786	4,062	4,598
Total Operation Expenses	69,804	200,683	27,231	42,591	160,817	195,069
Maintenance of General Plant	2,601	10,643	193	2,725	4,600	16,300
Total Administrative and General Expenses	72,406	211,326	27,423	45,315	165,418	211,369
Total Electric Operation and Maintenance Expenses	622,250	1,441,316	220,296	303,072	1,256,187	2,093,335
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	30,985	131,779	12,172	36,364	130,451	331,526
Transmission	3,417	18,837	2,596	2,750	5,640	17,857
Distribution	23,815	74,725	11,264	13,509	31,832	52,256
Customer Accounts	11,757	23,565	4,823	4,830	17,123	35,334
Customer Service and Informational Expenses	5,139	6,510	707	1,123	7,188	14,381
Sales Expenses	177	997	143	420	1,404	0
Administrative and General	18,241	63,627	10,768	10,287	35,550	73,118
Allocated from Clearing Accounts	16,727	9,255	0	4,046	9,621	10,178
Total Salaries and Wages	110,262	329,295	42,474	73,348	238,808	534,649
Number of Electric Department Employees						
Regular Full-time Employees	4,040	9,709	1,619	1,994	8,220	13,580
Part-time and Temporary Employees	65	411	0	49	176	5,660
Total Electric Department Employees	4,105	10,120	1,619	2,043	8,396	19,240

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	North Carolina	North Carolina	North Dakota	Ohio	Ohio	Ohio
Item	Nantahala Power & Light Co	Yadkin Inc	MDU Resources Group Inc	Cincinnati Gas & Electric Co	Cleveland Electric Illum Co	Columbus Southern Power Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	0	0	541	6,429	2,274	6,589
Fuel	0	0	22,069	307,178	258,168	191,496
Steam Expenses	0	0	3,160	7,099	17,699	8,707
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	692	2,824	4,010	1,455
Miscellaneous Steam Power Expenses	0	0	1,329	7,499	11,264	4,031
Rents	0	0	1	1,042	56,315	368
Total Operation Expenses	0	0	27,791	332,071	349,729	212,646
Maintenance Expenses						
Supervision and Engineering	0	0	266	4,509	7,855	4,077
Structures	0	0	256	4,513	5,899	1,950
Boiler Plant	0	0	2,317	39,487	31,823	23,866
Electric Plant	0	0	566	11,252	10,371	4,873
Miscellaneous Steam Plant	0	0	269	1,581	7,929	784
Total Maintenance Expenses	0	0	3,674	61,342	63,876	35,551
Total Steam Power Production Expenses	0	0	31,465	393,414	413,605	248,197
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	19,511	0
Fuel	0	0	0	0	89,691	0
Coolants and Water	0	0	0	0	723	0
Steam Expenses	0	0	0	0	9,651	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	0	351	0
Miscellaneous Nuclear Power Expenses	0	0	0	0	61,789	0
Rents	0	0	0	0	272	0
Total Operation Expenses	0	0	0	0	181,987	0
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	3,560	0
Structures	0	0	0	0	1,791	0
Reactor Plant Equipment	0	0	0	0	13,663	0
Electric Plant	0	0	0	0	5,204	0
Miscellaneous Nuclear Plant	0	0	0	0	9,751	0
Total Maintenance Expenses	0	0	0	0	33,968	0
Total Nuclear Power Production Expenses	0	0	0	0	215,955	0
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	81	0	0	0	142	0
Water for Power	0	0	0	0	195	0
Hydraulic Expenses	178	250	0	0	39	0
Electric Expenses	578	80	0	0	167	0
Miscellaneous Hydraulic Expenses	167	78	0	0	275	0
Rents	0	0	0	0	7	0
Total Operation Expenses	1,005	408	0	0	824	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	North Carolina Nantahala Power & Light Co	North Carolina Yadkin Inc	North Dakota MDU Resources Group Inc	Ohio Cincinnati Gas & Electric Co	Ohio Cleveland Electric Illum Co	Ohio Columbus Southern Power Co
Maintenance Expenses						
Supervision and Engineering	53	158	0	0	35	0
Structures	49	424	0	0	21	0
Reservoirs, Dams and Waterways	77	205	0	0	216	0
Electric Plant	184	780	0	0	475	0
Miscellaneous Hydraulic Plant	134	440	0	0	8	0
Total Maintenance Expenses	498	2,006	0	0	754	0
Total Hydraulic Power Production Expenses	1,502	2,414	0	0	1,578	0
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	13	351	6	0
Fuel	0	0	44	1,465	343	0
Generation Expenses	0	0	4	354	37	0
Miscellaneous Other Power Expenses	0	0	40	101	13	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	100	2,271	398	0
Maintenance Expenses						
Supervision and Engineering	0	0	105	239	19	0
Structures	0	0	10	114	6	0
Generating and Electric Plant	0	0	83	1,933	154	0
Miscellaneous Other Power Plant	0	0	13	26	29	0
Total Maintenance Expenses	0	0	210	2,312	209	0
Total Other Power Production Expenses	0	0	311	4,584	607	0
Other Power Supply Expenses						
Purchased Power	20,076	14,371	16,382	5,452	66,570	156,485
System Control and Load Dispatching	19	0	587	820	1,875	1,860
Other Expenses	0	0	0	3,411	9,146	217
Total Other Power Supply Expenses	20,095	14,371	16,970	2,858	77,591	158,563
Total Power Production Expenses	21,598	16,785	48,746	400,855	709,336	406,759
Transmission						
Operation Expenses						
Supervision and Engineering	14	142	380	920	8,034	2,435
Load Dispatching	0	193	241	504	1,202	0
Station Expenses	77	233	229	1,038	1,555	523
Overhead Line Expenses	0	0	73	303	169	83
Underground Line Expenses	0	0	0	19	4	13
Transmission of Electricity by Others	0	0	357	0	7,870	27,173
Miscellaneous Transmission Expenses	1	0	23	495	343	381
Rents	5	0	233	206	354	97
Total Operation Expenses	97	568	1,537	3,484	19,530	30,705

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	North Carolina	North Carolina	North Dakota	Ohio	Ohio	Ohio
Item	Nantahala Power & Light Co	Yadkin Inc	MDU Resources Group Inc	Cincinnati Gas & Electric Co	Cleveland Electric Illum Co	Columbus Southern Power Co
Maintenance Expenses						
Supervision and Engineering	23	1	193	391	2,628	904
Structures	0	2	5	114	270	31
Station Equipment	148	275	472	1,239	3,952	1,963
Overhead Lines	18	53	495	1,620	1,818	1,063
Underground Lines	0	0	0	21	1,018	2
Miscellaneous Transmission Plant	2	0	0	4	2,298	0
Total Maintenance Expenses	191	330	1,166	3,390	11,985	3,963
Total Transmission Expenses	288	898	2,703	6,874	31,515	34,668
Distribution						
Operation Expenses						
Supervision and Engineering	116	0	668	2,912	8,814	5,525
Load Dispatching	0	0	0	676	328	0
Station Expenses	2	0	140	1,829	2,504	1,223
Overhead Line Expenses	6	0	435	1,904	5,652	1,011
Underground Line Expenses	0	0	204	1,225	562	1,115
Street Lighting and Signal System Expenses	13	0	78	455	876	55
Meter Expenses	305	0	846	1,635	4,538	2,538
Customer Installations Expenses	6	0	322	2,007	2,618	782
Miscellaneous Distribution Expenses	136	0	772	4,665	1,173	3,968
Rents	158	0	52	38	26	1,483
Total Operation Expenses	742	0	3,517	17,347	27,090	17,699
Maintenance Expenses						
Supervision and Engineering	105	0	437	2,300	2,608	2,090
Structures	0	0	0	290	377	80
Station Equipment	24	0	131	2,143	2,467	1,849
Overhead Lines	2,914	0	1,155	12,064	7,641	12,103
Underground Lines	27	0	323	2,372	2,143	1,548
Line Transformers	54	0	151	2,348	978	1,176
Street Lighting and Signal Systems	13	0	91	780	394	386
Meters	4	0	183	699	330	594
Miscellaneous Distribution Plant	15	0	49	0	-1,978	183
Total Maintenance Expenses	3,156	0	2,521	22,997	14,960	20,009
Total Distribution Expenses	3,898	0	6,038	40,344	42,050	37,708
Customer Accounts Expenses						
Supervision	132	0	283	483	124	1,025
Meter Reading Expenses	341	0	782	4,803	4,243	2,604
Customer Records and Collection Expenses	621	0	1,991	12,411	9,653	8,995
Uncollectible Accounts	-133	0	198	9,657	5,742	4,511
Miscellaneous Customer Accounts Expenses	0	0	331	166	1	148
Total Customer Accounts Expenses	962	0	3,585	27,521	19,764	17,305
Customer Service and Information Expenses						
Supervision	0	0	11	191	4,670	879
Customer Assistance Expenses	0	0	78	2,132	906	1,613
Informational and Instructional Expenses	4	0	92	127	2,009	1,244
Miscellaneous Customer Service and Information Expenses	0	0	19	0	133	118
Total Customer Service and Information Expenses	4	0	200	2,451	7,718	3,854

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	North Carolina	North Carolina	North Dakota	Ohio	Ohio	Ohio
Item	Nantahala Power & Light Co	Yadkin Inc	MDU Resources Group Inc	Cincinnati Gas & Electric Co	Cleveland Electric Illum Co	Columbus Southern Power Co
Sales Expenses						
Supervision	0	0	384	218	0	0
Demonstrating and Selling Expenses	0	0	312	641	2,195	467
Advertising Expenses	0	0	49	70	20	2,133
Miscellaneous Sales Expenses	0	0	63	0	0	1,521
Total Sales Expenses	0	0	807	929	2,215	4,121
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	932	362	3,097	14,152	5,740	11,882
Office Supplies and Expenses	189	93	1,446	8,828	33,297	5,854
(less) Administrative Expenses Transferred (credit)	0	0	0	3,121	1,219	1,582
Outside Services Employed	247	99	598	1,436	1,833	902
Property Insurance	177	103	182	1,128	11,359	785
Injuries And Damages	39	0	574	2,400	8,125	3,973
Employee Pensions And Benefits	938	140	2,844	12,610	8,935	9,763
Franchise Requirements	0	0	0	0	0	0
Regulatory Commission Expenses	220	190	59	326	3,623	223
(less) Duplicate Charges (credit)	0	0	0	3,096	1,239	0
General Advertising Expenses	0	0	9	235	1,462	534
Miscellaneous General Expenses	33	4	584	7,054	6,850	836
Rents	68	0	110	2,016	1,846	0
Total Operation Expenses	2,844	992	9,505	43,970	80,613	33,169
Maintenance of General Plant	112	37	664	1,254	1,027	3,287
Total Administrative and General Expenses	2,955	1,029	10,168	45,224	81,640	36,456
Total Electric Operation and Maintenance Expenses	29,705	18,713	72,248	524,197	894,238	540,871
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	1,180	698	3,862	33,200	32,053	24,147
Transmission	198	413	1,240	3,622	4,951	3,350
Distribution	2,178	0	3,767	23,608	12,795	19,153
Customer Accounts	914	0	2,315	12,818	9,050	8,110
Customer Service and Informational Expenses	0	0	85	229	4,185	1,690
Sales Expenses	0	0	507	2,229	32	7
Administrative and General	1,022	375	2,658	13,602	7,283	11,136
Allocated from Clearing Accounts	0	0	680	3,104	50,532	3,643
Total Salaries and Wages	5,492	1,487	15,114	92,411	120,871	71,236
Number of Electric Department Employees						
Regular Full-time Employees	196	34	698	3,450	5,192	2,379
Part-time and Temporary Employees	2	0	22	14	64	114
Total Electric Department Employees	198	34	720	3,464	5,256	2,493

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others

**Table 40. Electric Operation and Maintenance Expenses by
Investor-Owned Electric Utility Within State, 1989 (Continued)**
(Thousand Dollars)

Item	Ohio Dayton Power & Light Co	Ohio Indiana- Kentucky Electric Corp	Ohio Edison Co	Ohio Power Co	Ohio Valley Electric Corp	Ohio Toledo Edison Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	3,593	592	9,559	11,090	565	4,542
Fuel	190,618	102,571	327,635	768,732	85,091	95,218
Steam Expenses	4,415	2,659	34,913	9,319	2,461	7,927
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	1,678	1,788	6,389	3,667	1,528	1,892
Miscellaneous Steam Power Expenses	6,838	2,247	16,810	33,399	2,270	3,106
Rents	324	0	19	184	0	36,485
Total Operation Expenses	207,466	109,857	395,326	826,391	91,914	149,169
Maintenance Expenses						
Supervision and Engineering	3,325	339	7,428	7,168	281	2,793
Structures	3,091	673	5,893	5,402	876	1,085
Boiler Plant	27,348	7,746	47,741	60,589	5,954	9,952
Electric Plant	14,048	3,141	10,233	13,835	2,544	3,856
Miscellaneous Steam Plant	871	418	3,935	5,072	384	979
Total Maintenance Expenses	48,683	12,318	75,230	92,066	10,039	18,664
Total Steam Power Production Expenses	256,149	122,175	470,555	918,457	101,953	167,834
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	16,230	0	0	14,835
Fuel	0	0	62,080	0	0	74,253
Coolants and Water	0	0	774	0	0	478
Steam Expenses	0	0	8,398	0	0	7,059
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	167	0	0	294
Miscellaneous Nuclear Power Expenses	0	0	32,634	0	0	56,734
Rents	0	0	56,292	0	0	7,025
Total Operation Expenses	0	0	176,576	0	0	230,679
Maintenance Expenses						
Supervision and Engineering	0	0	2,072	0	0	3,270
Structures	0	0	1,292	0	0	1,411
Reactor Plant Equipment	0	0	9,840	0	0	8,996
Electric Plant	0	0	4,503	0	0	4,050
Miscellaneous Nuclear Plant	0	0	9,673	0	0	11,224
Total Maintenance Expenses	0	0	27,380	0	0	28,952
Total Nuclear Power Production Expenses	0	0	203,956	0	0	259,630
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	0	247	0	0
Water for Power	0	0	0	0	0	0
Hydraulic Expenses	0	0	0	57	0	0
Electric Expenses	0	0	0	26	0	0
Miscellaneous Hydraulic Expenses	0	0	0	149	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	479	0	0

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Ohio Dayton Power & Light Co	Ohio Indiana- Kentucky Electric Corp	Ohio Edison Co	Ohio Power Co	Ohio Ohio Valley Electric Corp	Ohio Toledo Edison Co
Maintenance Expenses						
Supervision and Engineering	0	0	0	171	0	0
Structures	0	0	0	9	0	0
Reservoirs, Dams and Waterways	0	0	0	7	0	0
Electric Plant	0	0	0	681	0	0
Miscellaneous Hydraulic Plant	0	0	0	88	0	0
Total Maintenance Expenses	0	0	0	955	0	0
Total Hydraulic Power Production Expenses	0	0	0	1,434	0	0
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	269	0	0	1
Fuel	838	0	771	0	0	59
Generation Expenses	38	0	368	0	0	6
Miscellaneous Other Power Expenses	17	0	66	0	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	894	0	1,474	0	0	66
Maintenance Expenses						
Supervision and Engineering	0	0	70	0	0	0
Structures	3	0	14	0	0	0
Generating and Electric Plant	621	0	665	0	0	62
Miscellaneous Other Power Plant	0	0	0	0	0	0
Total Maintenance Expenses	625	0	749	0	0	62
Total Other Power Production Expenses	1,519	0	2,223	0	0	128
Other Power Supply Expenses						
Purchased Power	9,293	0	59,958	-240,901	140,475	-20,755
System Control and Load Dispatching	699	0	2,125	2,591	492	1,181
Other Expenses	703	0	-447	-116	0	5,491
Total Other Power Supply Expenses	10,694	0	61,636	-238,426	140,967	-14,082
Total Power Production Expenses	268,361	122,175	738,370	681,466	242,927	413,510
Transmission						
Operation Expenses						
Supervision and Engineering	861	32	1,550	2,638	170	1,090
Load Dispatching	421	0	2,504	1,711	0	446
Station Expenses	239	247	1,847	1,259	512	979
Overhead Line Expenses	121	54	527	972	363	151
Underground Line Expenses	0	0	11	1	0	35
Transmission of Electricity by Others	0	0	5,685	14,439	0	4,131
Miscellaneous Transmission Expenses	88	41	785	2,111	95	0
Rents	93	0	117	102	0	80
Total Operation Expenses	1,822	374	13,027	23,232	1,140	6,912

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Ohio Dayton Power & Light Co	Ohio Indiana- Kentucky Electric Corp	Ohio Edison Co	Ohio Power Co	Ohio Valley Electric Corp	Ohio Toledo Edison Co
Maintenance Expenses						
Supervision and Engineering	242	21	797	1,657	35	497
Structures	0	14	242	278	24	118
Station Equipment	1,679	178	3,397	7,468	217	1,318
Overhead Lines	2,426	17	5,598	10,471	230	893
Underground Lines	0	0	4	3	0	111
Miscellaneous Transmission Plant	0	3	-32	3	30	0
Total Maintenance Expenses	4,348	233	10,006	19,881	535	2,937
Total Transmission Expenses	6,170	608	23,033	43,114	1,675	9,849
Distribution						
Operation Expenses						
Supervision and Engineering	1,190	0	2,627	2,740	0	1,626
Load Dispatching	0	0	556	0	0	750
Station Expenses	1,288	0	1,741	594	0	621
Overhead Line Expenses	1,244	0	4,599	1,297	0	579
Underground Line Expenses	324	0	393	164	0	661
Street Lighting and Signal System Expenses	397	0	947	566	0	187
Meter Expenses	1,503	0	1,495	2,710	0	1,626
Customer Installations Expenses	1,944	0	3,420	1,939	0	1,530
Miscellaneous Distribution Expenses	1,331	0	3,654	5,616	0	542
Rents	43	0	302	590	0	11
Total Operation Expenses	9,263	0	19,735	16,216	0	8,135
Maintenance Expenses						
Supervision and Engineering	1,736	0	1,960	3,366	0	1,656
Structures	728	0	148	198	0	140
Station Equipment	4,451	0	2,376	2,410	0	621
Overhead Lines	39,031	0	24,576	21,217	0	5,007
Underground Lines	2,797	0	1,596	991	0	692
Line Transformers	3,257	0	1,145	3,101	0	465
Street Lighting and Signal Systems	419	0	662	572	0	792
Meters	79	0	570	905	0	312
Miscellaneous Distribution Plant	5	0	-102	232	0	292
Total Maintenance Expenses	52,503	0	32,932	32,991	0	9,977
Total Distribution Expenses	61,766	0	52,667	49,207	0	18,112
Customer Accounts Expenses						
Supervision	0	0	942	1,905	0	149
Meter Reading Expenses	1,788	0	4,561	4,402	0	1,551
Customer Records and Collection Expenses	7,676	0	16,493	9,316	0	3,758
Uncollectible Accounts	5,782	0	5,835	2,604	0	3,687
Miscellaneous Customer Accounts Expenses	30	0	452	817	0	0
Total Customer Accounts Expenses	15,276	0	28,283	19,045	0	9,145
Customer Service and Information Expenses						
Supervision	0	0	1,881	1,035	0	93
Customer Assistance Expenses	5,670	0	10,832	2,239	0	3,117
Informational and Instructional Expenses	135	0	983	1,509	0	1,129
Miscellaneous Customer Service and Informational Expenses	0	0	121	720	0	0
Total Customer Service and Informational Expenses	5,805	0	13,818	5,502	0	4,339

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Ohio Dayton Power & Light Co	Ohio Indiana Kentucky Electric Corp	Ohio Edison Co	Ohio Power Co	Ohio Ohio Valley Electric Corp	Ohio Toledo Edison Co
Sales Expenses						
Supervision	0	0	0	0	0	201
Demonstrating and Selling Expenses	0	0	120	57	0	133
Advertising Expenses	0	0	1,386	0	0	0
Miscellaneous Sales Expenses	0	0	0	727	0	0
Total Sales Expenses	0	0	1,506	784	0	335
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	7,610	0	18,287	13,934	1,383	5,630
Office Supplies and Expenses	9,486	0	9,016	7,209	260	22,997
(less) Administrative Expenses Transferred (credit)	1,708	0	3,300	673	46	182
Outside Services Employed	3,834	561	2,765	694	1,344	-2,866
Property Insurance	3,216	338	4,733	1,867	306	5,747
Injuries And Damages	6,801	306	3,762	4,807	263	2,379
Employee Pensions And Benefits	8,167	1,943	14,064	16,029	2,138	12,134
Franchise Requirements	0	0	0	1	0	1
Regulatory Commission Expenses	91	-152	2,361	813	190	2,188
(less) Duplicate Charges (credit)	1,547	0	0	651	0	1,120
General Advertising Expenses	565	0	595	2,269	0	5
Miscellaneous General Expenses	1,687	24	48,324	2,146	120	3,540
Rents	775	0	5,011	628	0	0
Total Operation Expenses	38,976	3,021	105,618	49,073	5,958	50,454
Maintenance of General Plant	1,263	0	3,929	3,239	13	188
Total Administrative and General Expenses	40,239	3,021	109,547	52,312	5,971	50,642
Total Electric Operation and Maintenance Expenses	397,618	125,804	967,222	851,429	250,566	505,932
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	22,376	12,751	53,511	56,486	11,391	23,820
Transmission	1,723	443	8,831	10,568	1,344	1,804
Distribution	13,990	0	29,089	24,688	0	7,481
Customer Accounts	6,257	0	11,637	10,515	0	3,586
Customer Service and Informational Expenses	2,392	0	8,097	2,372	0	1,699
Sales Expenses	0	0	0	232	0	0
Administrative and General	8,346	0	20,083	12,429	1,384	5,643
Allocated from Clearing Accounts	0	0	11,822	12,881	0	19,107
Total Salaries and Wages	55,084	13,193	143,068	130,172	14,120	63,140
Number of Electric Department Employees						
Regular Full-time Employees	2,038	382	5,264	4,646	398	2,687
Part-time and Temporary Employees	353	0	74	85	0	91
Total Electric Department Employees	2,391	382	5,338	4,731	398	2,778

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma	Oregon Fale- Safe Inc	Oregon PacifiCorp	Oregon Portland General Electric Co	Oregon Warm Springs Power Enterprises
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	3,198	1,715	191	8,856	1,346	0
Fuel	446,474	233,124	1,438	412,216	23,559	0
Steam Expenses	4,975	2,879	146	23,677	2,142	0
Steam from Other Sources	0	0	0	5,184	118	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	4,748	4,089	34	10,511	837	0
Miscellaneous Steam Power Expenses	5,772	6,333	432	18,789	3,067	0
Rents	2	2	17,801	16,656	2,716	0
Total Operation Expenses	465,169	248,142	20,043	495,890	33,785	0
Maintenance Expenses						
Supervision and Engineering	4,320	1,342	63	13,980	866	0
Structures	1,802	731	16	7,195	517	0
Boiler Plant	22,362	10,435	114	51,832	3,552	0
Electric Plant	8,203	5,055	113	11,167	1,106	0
Miscellaneous Steam Plant	743	1,722	150	10,755	1,179	0
Total Maintenance Expenses	37,431	19,286	454	94,929	7,218	0
Total Steam Power Production Expenses	502,600	267,428	20,497	590,819	41,003	0
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	1,037	23,039	0
Fuel	0	0	0	619	18,946	0
Coolants and Water	0	0	0	26	731	0
Steam Expenses	0	0	0	261	7,461	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	29	772	0
Miscellaneous Nuclear Power Expenses	0	0	0	915	10,698	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	2,888	61,647	0
Maintenance Expenses						
Supervision and Engineering	0	0	0	264	6,944	0
Structures	0	0	0	53	1,501	0
Reactor Plant Equipment	0	0	0	249	8,054	0
Electric Plant	0	0	0	165	4,418	0
Miscellaneous Nuclear Plant	0	0	0	202	5,342	0
Total Maintenance Expenses	0	0	0	932	26,259	0
Total Nuclear Power Production Expenses	0	0	0	3,820	87,906	0
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	0	794	1,330	381
Water for Power	0	0	0	214	349	4
Hydraulic Expenses	0	0	0	2,223	451	0
Electric Expenses	0	0	0	2,806	1,326	352
Miscellaneous Hydraulic Expenses	0	0	0	1,568	737	66
Rents	0	0	0	141	2,299	22
Total Operation Expenses	0	0	0	7,747	11,493	826

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma	Oregon Fair- Safe Inc	Oregon PacifiCorp	Oregon Portland General Electric Co	Oregon Warm Springs Power Enterprises
Maintenance Expenses						
Supervision and Engineering	0	0	0	293	225	0
Structures	0	0	0	494	113	0
Reservoirs, Dams and Waterways	0	0	0	1,556	314	0
Electric Plant	0	0	0	1,379	517	12
Miscellaneous Hydraulic Plant	0	0	0	771	399	0
Total Maintenance Expenses	0	0	0	4,493	1,569	12
Total Hydraulic Power Production Expenses	0	0	0	12,240	13,061	838
Other Power						
Operation Expenses						
Supervision and Engineering	0	16	0	33	520	0
Fuel	79	316	0	1,369	24,111	0
Generation Expenses	8	47	0	120	1,387	0
Miscellaneous Other Power Expenses	0	74	0	194	289	0
Rents	0	0	0	0	3,047	0
Total Operation Expenses	87	454	0	1,716	29,354	0
Maintenance Expenses						
Supervision and Engineering	0	1	0	31	117	0
Structures	2	27	0	2	36	0
Generating and Electric Plant	57	130	0	207	2,651	0
Miscellaneous Other Power Plant	5	40	0	79	87	0
Total Maintenance Expenses	64	198	0	320	2,891	0
Total Other Power Production Expenses	151	652	0	2,035	32,245	0
Other Power Supply Expenses						
Purchased Power	27,380	20,226	10,206	133,258	96,417	0
System Control and Load Dispatching	732	1,047	8	5,316	528	0
Other Expenses	0	-7,034	1	8,501	1,417	0
Total Other Power Supply Expenses	28,111	14,239	10,214	147,075	98,363	0
Total Power Production Expenses	530,862	282,320	30,712	755,989	272,579	838
Transmission						
Operation Expenses						
Supervision and Engineering	978	742	0	899	380	0
Load Dispatching	1,106	762	0	3,354	299	0
Station Expenses	1,225	563	0	3,241	618	0
Overhead Line Expenses	123	61	0	1,678	165	0
Underground Line Expenses	0	0	0	0	0	0
Transmission of Electricity by Others	0	2,705	0	32,248	16,869	0
Miscellaneous Transmission Expenses	615	516	0	625	94	0
Rents	141	0	3,750	1,123	2,657	0
Total Operation Expenses	4,188	5,348	3,750	43,168	21,083	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma	Oregon Fair- Safe Inc	Oregon PacifiCorp	Oregon Portland General Electric Co	Oregon Warm Springs Power Enterprises
Maintenance Expenses						
Supervision and Engineering	321	77	0	524	305	0
Structures	1	1	0	145	95	0
Station Equipment	3,660	723	0	5,313	887	0
Overhead Lines	2,183	1,018	0	4,146	656	0
Underground Lines	0	0	0	19	0	0
Miscellaneous Transmission Plant	20	16	0	752	1	0
Total Maintenance Expenses	6,185	1,835	0	10,900	1,943	0
Total Transmission Expenses	10,373	7,184	3,750	54,068	23,026	0
Distribution						
Operation Expenses						
Supervision and Engineering	2,547	1,725	0	4,467	4,566	0
Load Dispatching	0	401	0	2,439	785	0
Station Expenses	1,861	797	0	3,323	1,070	0
Overhead Line Expenses	4,535	1,817	0	10,024	301	0
Underground Line Expenses	2,371	698	0	2,110	969	0
Street Lighting and Signal System Expenses	318	173	0	555	845	0
Meter Expenses	2,412	3,147	0	8,117	621	0
Customer Installations Expenses	912	527	0	2,245	896	0
Miscellaneous Distribution Expenses	5,965	2,801	0	8,953	2,891	0
Rents	805	60	0	911	1,065	0
Total Operation Expenses	21,727	12,146	0	43,145	14,007	0
Maintenance Expenses						
Supervision and Engineering	1,617	592	0	1,951	100	0
Structures	1	790	0	688	247	0
Station Equipment	2,360	1,099	0	4,060	1,195	0
Overhead Lines	12,916	9,159	0	27,385	10,087	0
Underground Lines	1,872	1,273	0	4,656	2,583	0
Line Transformers	1,429	562	0	1,786	761	0
Street Lighting and Signal Systems	346	358	0	1,008	377	0
Meters	987	318	0	965	152	0
Miscellaneous Distribution Plant	814	153	0	1,150	49	0
Total Maintenance Expenses	22,943	14,303	0	43,649	15,454	0
Total Distribution Expenses	44,670	26,450	0	86,794	29,461	0
Customer Accounts Expenses						
Supervision	335	1,237	0	3,257	1,703	0
Meter Reading Expenses	3,583	2,185	0	9,996	2,864	0
Customer Records and Collection Expenses	17,470	18,627	0	32,258	9,724	0
Uncollectible Accounts	5,810	0	0	7,066	2,640	0
Miscellaneous Customer Accounts Expenses	0	404	0	818	1,967	0
Total Customer Accounts Expenses	27,199	21,646	0	53,396	18,898	0
Customer Service and Information Expenses						
Supervision	866	1,512	0	1,566	43	0
Customer Assistance Expenses	6,607	4,464	0	9,636	2,649	0
Informational and Instructional Expenses	2,159	1,577	0	1,348	336	0
Miscellaneous Customer Service and Informational Expenses	1,306	404	0	1,038	3	0
Total Customer Service and Informational Expenses	10,938	7,957	0	13,588	3,031	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Oklahoma Oklahoma Gas & Electric Co.	Oklahoma Public Service Co. of Oklahoma	Oregon Fale- Safe Inc.	Oregon PacifiCorp	Oregon Portland General Electric Co.	Oregon Warm Springs Power Enterprises
Sales Expenses						
Supervision	0	0	0	1,224	353	0
Demonstrating and Selling Expenses	0	0	0	4,005	5,592	0
Advertising Expenses	0	0	0	2,646	2,592	0
Miscellaneous Sales Expenses	0	0	0	4,440	902	0
Total Sales Expenses	0	0	0	12,315	9,439	0
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	11,825	14,818	0	65,362	12,026	0
Office Supplies and Expenses	6,894	4,843	74	28,878	28,206	0
(less) Administrative Expenses						
Transferred (credit)	744	3,254	0	15	3,925	0
Outside Services Employed	5,810	7,860	637	9,299	980	0
Property Insurance	1,878	1,401	37	6,748	6,552	0
Injuries And Damages	2,811	3,162	7	13,954	2,616	0
Employee Pensions And Benefits	20,482	14,027	70	46,247	9,442	0
Franchise Requirements	3,998	0	0	1	0	0
Regulatory Commission Expenses	331	204	0	3,824	1,643	0
(less) Duplicate Charges (credit)	3,998	13	0	58,846	1,792	0
General Advertising Expenses	552	186	0	821	377	0
Miscellaneous General Expenses	8,174	4,129	0	11,270	1,589	0
Rents	1,619	3,489	0	6,127	7	0
Total Operation Expenses	59,594	46,953	825	135,669	57,721	0
Maintenance of General Plant	2,839	3,264	0	3,461	1,749	0
Total Administrative and General Expenses	62,433	50,217	825	139,130	59,470	0
Total Electric Operation and Maintenance Expenses	686,475	395,772	35,287	1,115,280	415,903	638
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	28,880	15,786	0	95,974	33,043	54
Transmission	5,358	2,552	0	10,090	1,645	0
Distribution	24,087	14,469	0	43,420	13,976	0
Customer Accounts	6,413	8,604	0	23,765	10,685	0
Customer Service and Informational Expenses	4,421	4,126	0	3,493	42	0
Sales Expenses	0	0	0	6,360	4,651	0
Administrative and General	14,598	12,200	0	55,898	11,015	0
Allocated from Clearing Accounts	9,474	516	0	15,231	9,123	0
Total Salaries and Wages	93,211	58,253	0	254,231	84,181	54
Number of Electric Department Employees						
Regular Full-time Employees	3,446	1,970	0	8,536	3,002	2
Part-time and Temporary Employees	0	15	0	331	255	0
Total Electric Department Employees	3,446	1,985	0	8,867	3,257	2

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Pennsylvania Duke Light Co.	Pennsylvania Metropolitan Edison Co.	Pennsylvania Pennsylvania Electric Co.	Pennsylvania Pennsylvania Power & Light Co.	Pennsylvania Pennsylvania Power Co.	Pennsylvania Philadelphia Electric Co.
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	3,995	3,571	4,800	7,586	1,002	14,042
Fuel	179,735	83,561	184,454	563,546	47,260	224,806
Steam Expenses	7,866	2,599	6,014	12,069	5,254	26,641
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	865	0	0	0
Electric Expenses	2,354	1,391	2,495	6,052	1,117	4,783
Miscellaneous Steam Power Expenses	6,702	7,924	9,356	23,266	2,107	14,120
Rents	686	3,052	334	222	4	16,581
Total Operation Expenses	201,337	102,098	206,388	612,741	56,744	300,972
Maintenance Expenses						
Supervision and Engineering	1,381	2,472	3,578	4,803	722	8,071
Structures	1,810	873	2,270	5,751	724	5,267
Boiler Plant	18,345	11,749	21,828	71,691	9,452	42,024
Electric Plant	5,116	4,445	6,690	21,246	3,550	10,014
Miscellaneous Steam Plant	2,821	2,173	1,598	5,107	406	4,404
Total Maintenance Expenses	31,473	21,713	35,964	108,599	14,855	69,780
Total Steam Power Production Expenses	232,810	123,811	242,352	721,340	71,599	370,753
Nuclear Power						
Operation Expenses						
Supervision and Engineering	15,823	7,551	3,776	18,032	5,402	105,011
Fuel	34,758	23,839	11,801	99,039	11,317	118,326
Coolants and Water	670	338	159	2,749	220	3,144
Steam Expenses	6,354	8,087	4,043	22,446	2,556	49,153
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	210	1,018	509	2,503	47	1,874
Miscellaneous Nuclear Power Expenses	23,547	7,191	8,842	45,547	9,227	80,797
Rents	54,749	0	0	552	46	16,168
Total Operation Expenses	136,111	48,023	29,130	190,869	28,815	374,473
Maintenance Expenses						
Supervision and Engineering	3,293	3,681	1,841	18,403	598	29,200
Structures	1,475	659	330	4,463	369	8,428
Reactor Plant Equipment	8,455	8,644	4,321	16,793	2,552	56,195
Electric Plant	4,545	792	396	7,491	1,498	14,382
Miscellaneous Nuclear Plant	6,514	596	298	5,898	2,132	4,954
Total Maintenance Expenses	22,282	11,373	7,185	53,046	7,150	113,158
Total Nuclear Power Production Expenses	158,393	62,396	36,315	243,915	35,965	487,632
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	264	346	0	430
Water for Power	0	0	53	157	0	502
Hydraulic Expenses	0	0	48	929	0	1,084
Electric Expenses	0	0	438	760	0	269
Miscellaneous Hydraulic Expenses	0	0	397	799	0	308
Rents	0	0	73	27	0	0
Total Operation Expenses	0	0	1,272	2,927	0	2,593

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Pennsylvania Duquesne Light Co	Pennsylvania Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Pennsylvania Philadelphia Electric Co
Maintenance Expenses						
Supervision and Engineering	0	0	64	188	0	291
Structures	0	0	50	754	0	93
Reservoirs, Dams and Waterways	0	0	111	1,203	0	262
Electric Plant	0	0	237	727	0	2,064
Miscellaneous Hydraulic Plant	0	0	66	304	0	221
Total Maintenance Expenses	0	0	528	3,175	0	2,931
Total Hydraulic Power Production Expenses	0	0	1,800	6,102	0	5,524
Other Power						
Operation Expenses						
Supervision and Engineering	25	155	39	40	45	1,033
Fuel	579	7,859	4,741	6,444	134	18,059
Generation Expenses	54	42	23	165	65	1,031
Miscellaneous Other Power Expenses	146	34	37	113	11	528
Rents	0	0	0	867	0	172
Total Operation Expenses	804	8,090	4,840	7,629	256	20,824
Maintenance Expenses						
Supervision and Engineering	25	80	14	97	11	1,387
Structures	116	667	53	279	3	456
Generating and Electric Plant	77	832	812	977	98	5,771
Miscellaneous Other Power Plant	51	40	6	0	0	63
Total Maintenance Expenses	268	1,619	885	1,343	112	7,678
Total Other Power Production Expenses	1,072	9,708	5,725	8,971	369	28,502
Other Power Supply Expenses						
Purchased Power	6,856	74,049	-14,128	-104,558	15,067	261,359
System Control and Load Dispatching	571	2,095	2,592	7,382	518	7,857
Other Expenses	-3,739	-12,031	-736	374	-5,099	35,165
Total Other Power Supply Expenses	3,688	64,112	-12,272	-96,803	10,485	304,381
Total Power Production Expenses	395,963	260,028	273,920	883,526	118,417	1,196,791
Transmission						
Operation Expenses						
Supervision and Engineering	246	1,619	2,261	1,660	248	2,598
Load Dispatching	712	369	1,076	1,118	387	1,987
Station Expenses	547	251	400	766	249	1,582
Overhead Line Expenses	58	277	122	168	34	366
Underground Line Expenses	37	0	0	0	0	266
Transmission of Electricity by Others	8,226	640	2,253	111	1,867	0
Miscellaneous Transmission Expenses	59	479	899	595	111	1,401
Rents	444	251	382	42	489	7,214
Total Operation Expenses	10,329	4,486	7,393	4,459	3,385	15,414

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Pennsylvania Duquesne Light Co	Pennsylvania Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Pennsylvania Philadelphia Electric Co
Maintenance Expenses						
Supervision and Engineering	57	18	139	592	115	797
Structures	54	0	86	166	27	286
Station Equipment	686	1,651	2,129	2,563	667	4,698
Overhead Lines	1,214	2,025	2,029	2,246	200	3,248
Underground Lines	36	0	4	0	0	828
Miscellaneous Transmission Plant	0	0	0	48	-13	18
Total Maintenance Expenses	2,049	3,689	4,386	5,615	996	9,874
Total Transmission Expenses	12,378	8,175	11,779	10,074	4,380	25,287
Distribution						
Operation Expenses						
Supervision and Engineering	1,660	2,728	5,813	4,657	362	7,836
Load Dispatching	607	1,122	1,054	2,988	49	2,351
Station Expenses	3,331	647	1,721	3,393	157	5,521
Overhead Line Expenses	1,934	1,562	2,646	2,844	1,084	7,569
Underground Line Expenses	509	553	790	1,191	81	4,681
Street Lighting and Signal System Expenses	398	210	347	117	75	587
Meter Expenses	1,459	1,574	2,183	5,323	615	2,691
Customer Installations Expenses	2,844	568	1,924	2,013	154	3,863
Miscellaneous Distribution Expenses	3,590	7,658	11,373	6,062	613	11,394
Rents	2,275	1,290	1,760	4,770	205	5,507
Total Operation Expenses	18,609	18,011	29,570	33,359	3,396	52,000
Maintenance Expenses						
Supervision and Engineering	828	162	954	5,294	144	3,578
Structures	635	10	207	420	43	939
Station Equipment	2,300	2,153	1,954	6,287	647	6,746
Overhead Lines	15,820	14,903	18,541	35,352	3,988	29,065
Underground Lines	1,711	1,588	1,015	3,157	183	11,880
Line Transformers	615	737	730	4,208	52	2,274
Street Lighting and Signal Systems	468	188	254	799	51	1,343
Meters	682	477	535	1,394	147	2,122
Miscellaneous Distribution Plant	609	23	204	137	19	2,274
Total Maintenance Expenses	23,669	20,241	24,393	57,049	5,273	60,220
Total Distribution Expenses	42,277	38,252	53,962	90,408	8,669	112,220
Customer Accounts Expenses						
Supervision	2,265	213	1,560	1,497	284	2,247
Meter Reading Expenses	3,827	3,496	4,956	7,208	874	12,826
Customer Records and Collection Expenses	13,013	8,127	12,982	15,981	2,323	43,165
Uncollectible Accounts	11,013	4,873	2,993	21,472	518	30,517
Miscellaneous Customer Accounts Expenses	187	1,117	69	694	142	382
Total Customer Accounts Expenses	30,305	17,826	22,560	46,852	4,140	89,136
Customer Service and Information Expenses						
Supervision	135	152	809	1	315	1,016
Customer Assistance Expenses	446	3,687	2,780	15,523	1,926	6,891
Informational and Instructional Expenses	966	434	638	589	421	1,026
Miscellaneous Customer Service and Informational Expenses	78	472	2,979	520	13	348
Total Customer Service and Informational Expenses	1,624	4,746	7,206	16,633	2,675	9,281

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Pennsylvania Duquesne Light Co	Pennsylvania Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Pennsylvania Philadelphia Electric Co
Sales Expenses						
Supervision	317	0	1	2,012	0	752
Demonstrating and Selling Expenses	3,092	0	188	3,523	0	4,571
Advertising Expenses	972	0	51	375	0	633
Miscellaneous Sales Expenses	395	0	0	378	0	633
Total Sales Expenses	4,776	0	240	6,289	0	6,590
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	20,041	8,709	9,170	28,217	4,126	61,740
Office Supplies and Expenses	12,897	7,415	1,884	12,933	2,240	20,552
(less) Administrative Expenses Transferred (credit)	1,037	0	0	0	817	0
On-Site Services Employed	3,246	13,233	10,646	2,427	701	12,691
Property Insurance	4,286	4,273	3,696	10,944	1,085	11,059
Injuries And Damages	7,673	3,416	3,018	9,167	1,308	19,363
Employee Pensions And Benefits	14,126	10,726	14,741	33,074	1,443	37,419
Franchise Requirements	0	0	0	0	0	0
Regulatory Commission Expenses	1,254	74	203	595	375	11,033
(less) Duplicate Charges (credit)	1,568	209	0	0	0	2,527
General Advertising Expenses	119	235	402	179	11	317
Miscellaneous General Expenses	14,212	3,553	5,028	10,707	11,464	8,236
Rents	6,827	0	0	20	248	483
Total Operation Expenses	82,077	51,525	48,788	108,263	22,185	180,367
Maintenance of General Plant	3,564	2,285	466	4,887	483	1,438
Total Administrative and General Expenses	85,641	53,810	49,254	113,149	22,668	181,805
Total Electric Operation and Maintenance Expenses	572,964	182,836	418,920	1,166,931	160,950	1,621,111
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	39,782	16,331	29,223	128,128	37,186	145,173
Transmission	1,662	2,887	3,426	4,849	1,186	8,734
Distribution	20,847	19,799	29,352	35,058	4,586	62,888
Customer Accounts	12,870	7,256	10,811	15,313	2,261	39,866
Customer Service and Informational Expenses	566	1,546	2,830	6,021	1,453	6,113
Sales Expenses	2,148	0	17	4,365	0	4,350
Administrative and General	22,126	10,798	10,652	33,221	4,396	47,914
Allocated from Clearing Accounts	3,717	10,103	10,742	41,196	1,271	21,495
Total Salaries and Wages	103,719	68,720	97,054	268,151	52,338	336,533
Number of Electric Department Employees						
Regular Full-time Employees	4,292	2,199	4,005	7,976	1,676	9,753
Part-time and Temporary Employees	0	31	60	132	20	0
Total Electric Department Employees	4,292	2,230	4,065	8,108	1,696	9,753

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
Item	Safe Harbor Water Power Corp.	Susquehanna Electric Co.	UGI Corp.	West Penn Power Co.	York Haven Power Co.	Blackstone Valley Electric Co.
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	0	0	168	4,251	0	0
Fuel	0	0	7,736	266,332	0	0
Steam Expenses	0	0	931	4,772	0	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	505	1,592	0	0
Miscellaneous Steam Power Expenses	0	0	396	3,606	0	0
Rents	0	0	2	588	0	0
Total Operation Expenses	0	0	9,739	281,140	0	0
Maintenance Expenses						
Supervision and Engineering	0	0	161	2,869	0	0
Structures	0	0	58	3,080	0	0
Boiler Plant	0	0	575	28,843	0	0
Electric Plant	0	0	118	8,685	0	0
Miscellaneous Steam Plant	0	0	152	1,707	0	0
Total Maintenance Expenses	0	0	1,464	45,185	0	0
Total Steam Power Production Expenses	0	0	11,203	326,325	0	0
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	0	0
Fuel	0	0	0	0	0	0
Coolants and Water	0	0	0	0	0	0
Steam Expenses	0	0	0	0	0	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	0	0	0
Miscellaneous Nuclear Power Expenses	0	0	0	0	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	0	0	0
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	0	0
Structures	0	0	0	0	0	0
Reactor Plant Equipment	0	0	0	0	0	0
Electric Plant	0	0	0	0	0	0
Miscellaneous Nuclear Plant	0	0	0	0	0	0
Total Maintenance Expenses	0	0	0	0	0	0
Total Nuclear Power Production Expenses	0	0	0	0	0	0
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	304	458	0	197	193	0
Water for Power	0	711	0	39	22	0
Hydraulic Expenses	305	866	0	137	184	0
Electric Expenses	809	660	0	149	339	1
Miscellaneous Hydraulic Expenses	1,371	1,529	0	95	197	0
Rents	0	11,227	0	0	0	0
Total Operation Expenses	2,790	15,454	0	617	934	1

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Pennsylvania Safe Harbor Water Power Corp	Pennsylvania Susquehanna Electric Co	Pennsylvania UGI Corp	Pennsylvania West Penn Power Co	Pennsylvania York Haven Power Co	Rhode Island Blackstone Valley Electric Co
Maintenance Expenses						
Supervision and Engineering	390	136	0	54	34	0
Structures	785	371	0	50	29	44
Reservoirs, Dams and Waterways	522	1,059	0	226	33	0
Electric Plant	390	1,394	0	47	342	88
Miscellaneous Hydraulic Plant	132	347	0	46	93	0
Total Maintenance Expenses	2,219	3,307	0	423	532	132
Total Hydraulic Power Production Expenses	5,009	18,761	0	1,040	1,466	133
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	0	0
Fuel	0	0	1	0	0	0
Generation Expenses	0	0	0	0	0	0
Miscellaneous Other Power Expenses	0	0	0	0	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	1	0	0	0
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	0	0
Structures	0	0	0	0	0	0
Generating and Electric Plant	0	0	1	0	0	0
Miscellaneous Other Power Plant	0	0	0	0	0	0
Total Maintenance Expenses	0	0	1	0	0	0
Total Other Power Production Expenses	0	0	2	0	0	0
Other Power Supply Expenses						
Purchased Power	0	0	22,805	294,020	0	85,984
System Control and Load Dispatching	198	0	213	3,425	0	0
Other Expenses	0	0	-915	-5,639	0	0
Total Other Power Supply Expenses	198	0	22,103	291,806	0	85,984
Total Power Production Expenses	5,207	18,761	33,308	619,171	1,466	86,117
Transmission						
Operation Expenses						
Supervision and Engineering	0	56	130	1,013	0	69
Load Dispatching	0	44	34	299	0	0
Station Expenses	2	0	171	271	0	122
Overhead Line Expenses	0	0	47	142	0	0
Underground Line Expenses	0	0	0	0	0	0
Transmission of Electricity by Others	0	0	84	5,801	0	0
Miscellaneous Transmission Expenses	0	0	51	246	0	24
Rents	0	764	3	374	0	2
Total Operation Expenses	2	863	520	8,145	0	217

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
Item	Safe Harbor Water Power Corp	Susquehanna Electric Co	UGI Corp	West Penn Power Co	York Haven Power Co	Blackstone Valley Electric Co
Maintenance Expenses						
Supervision and Engineering	0	240	66	235	0	1
Structures	0	0	1	10	0	0
Station Equipment	23	155	164	1,359	0	107
Overhead Lines	0	24	145	2,060	0	144
Underground Lines	0	0	0	0	0	0
Miscellaneous Transmission Plant	0	0	4	2	0	1
Total Maintenance Expenses	23	419	379	3,666	0	253
Total Transmission Expenses	25	1,283	899	11,811	0	469
Distribution						
Operation Expenses						
Supervision and Engineering	0	0	163	2,904	0	678
Load Dispatching	0	0	14	1,284	0	319
Station Expenses	0	0	81	1,481	0	337
Overhead Line Expenses	0	0	97	2,785	0	50
Underground Line Expenses	0	0	6	223	0	97
Street Lighting and Signal System Expenses	0	0	36	320	0	99
Meter Expenses	0	0	291	1,019	0	630
Customer Installations Expenses	0	0	78	869	0	277
Miscellaneous Distribution Expenses	0	0	166	4,163	0	960
Rents	0	0	2	337	0	344
Total Operation Expenses	0	0	935	15,385	0	3,793
Maintenance Expenses						
Supervision and Engineering	0	0	123	1,098	0	42
Structures	0	0	1	118	0	83
Station Equipment	0	0	46	2,018	0	309
Overhead Lines	0	0	1,574	21,517	0	1,548
Underground Lines	0	0	135	372	0	44
Line Transformers	0	0	114	402	0	83
Street Lighting and Signal Systems	0	0	36	401	0	56
Meters	0	0	15	366	0	0
Miscellaneous Distribution Plant	0	0	16	46	0	103
Total Maintenance Expenses	0	0	2,063	26,338	0	2,270
Total Distribution Expenses	0	0	2,998	41,723	0	6,062
Customer Accounts Expenses						
Supervision	0	0	102	762	0	1
Meter Reading Expenses	0	0	262	3,534	0	633
Customer Records and Collection Expenses	0	0	1,048	8,369	0	2,134
Uncollectible Accounts	0	0	205	1,620	0	451
Miscellaneous Customer Accounts Expenses	0	0	37	231	0	7
Total Customer Accounts Expenses	0	0	1,654	14,517	0	3,226
Customer Service and Information Expenses						
Supervision	0	0	54	599	0	117
Customer Assistance Expenses	0	0	89	3,188	0	615
Informational and Instructional Expenses	0	0	24	567	0	227
Miscellaneous Customer Service and Information Expenses	0	0	148	145	0	103
Total Customer Service and Information Expenses	0	0	315	4,499	0	1,061

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
Item	Safe Harbor Water Power Corp	Susquehanna Electric Co	UGI Corp	West Penn Power Co	York Haven Power Co	Blackstone Valley Electric Co
Sales Expenses						
Supervision	0	0	0	0	0	0
Demonstrating and Selling Expenses	0	0	0	0	0	0
Advertising Expenses	0	0	0	0	0	0
Miscellaneous Sales Expenses	0	0	0	0	0	3
Total Sales Expenses	0	0	0	0	0	0
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	577	229	1,227	4,689	0	3,064
Office Supplies and Expenses	129	2	296	577	0	405
(less) Administrative Expenses						
Transferred (credit)	0	0	0	161	0	93
Outside Services Employed	263	1	739	10,692	0	268
Property Insurance	408	178	121	2,576	0	219
Injuries And Damages	58	153	345	4,502	29	854
Employee Pensions And Benefits	647	183	1,193	6,618	159	980
Franchise Requirements	0	0	0	0	0	0
Regulatory Commission Expenses	55	90	0	1,507	9	447
(less) Duplicate Charges (credit)	0	0	134	0	0	350
General Advertising Expenses	0	0	7	443	0	84
Miscellaneous General Expenses	154	0	240	1,159	0	3,063
Rents	0	0	48	624	0	158
Total Operation Expenses	2,291	837	4,082	33,226	197	9,100
Maintenance of General Plant	8	73	74	2,556	0	141
Total Administrative and General Expenses	2,300	910	4,156	35,782	197	9,241
Total Electric Operation and Maintenance Expenses	7,532	20,954	43,329	727,501	1,663	106,177
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	3,419	1,900	2,376	21,644	0	69
Transmission	17	131	440	1,323	0	8
Distribution	0	0	1,096	19,511	0	3,391
Customer Accounts	0	0	963	7,435	0	917
Customer Service and Informational Expenses	0	0	153	2,240	0	643
Sales Expenses	0	0	0	0	0	0
Administrative and General	579	0	1,300	6,997	0	808
Allocated from Clearing Accounts	6	113	124	2,557	0	190
Total Salaries and Wages	4,021	2,144	6,452	61,707	0	6,026
Number of Electric Department Employees						
Regular Full-time Employees	111	53	203	2,138	0	209
Part-time and Temporary Employees	4	0	9	25	0	2
Total Electric Department Employees	115	53	212	2,163	0	211

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Rhode Island Narragansett Electric Co	Rhode Island Newport Electric Corp	South Carolina Lockhart Power Co	South Carolina South Carolina Electric & Gas Co	South Carolina South Carolina Generating Co Inc	South Dakota Black Hills Corp
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	602	3	0	2,106	529	515
Fuel	16,712	396	0	144,181	55,417	12,256
Steam Expenses	2,971	6	0	3,507	688	1,726
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	1,870	2	0	3,146	317	1,117
Miscellaneous Steam Power Expenses	2,861	17	0	2,220	697	552
Rents	0	0	0	0	0	4,314
Total Operation Expenses	25,017	424	0	155,161	57,649	20,479
Maintenance Expenses						
Supervision and Engineering	877	3	0	782	183	588
Structures	630	1	0	455	52	231
Boiler Plant	5,286	11	0	9,366	1,085	2,239
Electric Plant	4,836	7	0	2,177	1,341	688
Miscellaneous Steam Plant	403	0	0	760	526	197
Total Maintenance Expenses	12,032	22	0	13,538	3,187	3,548
Total Steam Power Production Expenses	37,049	446	0	168,699	60,836	24,027
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	8,605	0	0
Fuel	0	0	0	23,211	0	0
Coolants and Water	0	0	0	552	0	0
Steam Expenses	0	0	0	2,984	0	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	2,688	0	0
Miscellaneous Nuclear Power Expenses	0	0	0	22,040	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	60,080	0	0
Maintenance Expenses						
Supervision and Engineering	0	0	0	5,395	0	0
Structures	0	0	0	1,032	0	0
Reactor Plant Equipment	0	0	0	2,564	0	0
Electric Plant	0	0	0	890	0	0
Miscellaneous Nuclear Plant	0	0	0	2,177	0	0
Total Maintenance Expenses	0	0	0	12,059	0	0
Total Nuclear Power Production Expenses	0	0	0	72,139	0	0
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	29	521	0	0
Water for Power	0	0	0	75	0	0
Hydraulic Expenses	0	0	26	730	0	0
Electric Expenses	0	0	190	979	0	0
Miscellaneous Hydraulic Expenses	0	0	22	235	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	267	2,541	0	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Rhode Island Narragansett Electric Co	Rhode Island Newport Electric Corp	South Carolina Lockhart Power Co	South Carolina South Carolina Electric & Gas Co	South Carolina South Carolina Generating Co Inc	South Dakota Black Hills Corp
Maintenance Expenses						
Supervision and Engineering	0	0	35	212	0	0
Structures	0	0	19	79	0	0
Reservoirs, Dams and Waterways	0	0	46	531	0	0
Electric Plant	0	0	70	889	0	0
Miscellaneous Hydraulic Plant	0	0	16	198	0	0
Total Maintenance Expenses	0	0	186	1,907	0	0
Total Hydraulic Power Production Expenses	0	0	453	4,448	0	0
Other Power						
Operation Expenses						
Supervision and Engineering	0	0	0	51	0	9
Fuel	105	364	0	1,225	0	290
Generation Expenses	11	0	0	61	0	135
Miscellaneous Other Power Expenses	2	0	0	14	0	19
Rents	0	0	0	1,174	0	0
Total Operation Expenses	119	365	0	2,525	0	453
Maintenance Expenses						
Supervision and Engineering	5	0	0	22	0	20
Structures	0	0	0	36	0	0
Generating and Electric Plant	50	306	0	1,046	0	44
Miscellaneous Other Power Plant	0	0	0	172	0	8
Total Maintenance Expenses	55	306	0	1,205	0	72
Total Other Power Production Expenses	174	671	0	3,729	0	524
Other Power Supply Expenses						
Purchased Power	201,628	34,214	11,614	83,978	0	21,908
System Control and Load Dispatching	0	296	0	727	38	0
Other Expenses	62	143	0	81	0	0
Total Other Power Supply Expenses	201,690	34,653	11,614	84,786	38	21,908
Total Power Production Expenses	238,913	35,770	12,067	333,801	60,874	46,460
Transmission						
Operation Expenses						
Supervision and Engineering	101	24	8	222	0	137
Load Dispatching	737	10	0	290	0	503
Station Expenses	375	40	2	357	0	35
Overhead Line Expenses	17	2	1	206	0	65
Underground Line Expenses	0	1	0	1	0	0
Transmission of Electricity by Others	1,320	22	0	0	0	0
Miscellaneous Transmission Expenses	2	12	0	545	0	92
Rents	16	0	0	65	0	24
Total Operation Expenses	2,566	115	10	1,596	0	858

See endnotes at end of all individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Rhode Island	Rhode Island	South Carolina	South Carolina	South Carolina	South Dakota
Item	Narragansett Electric Co.	Newport Electric Corp.	Lockhart Power Co.	South Carolina Electric & Gas Co.	South Carolina Generating Co. Inc.	Black Hills Corp.
Maintenance Expenses						
Supervision and Engineering	29	8	16	53	0	96
Structures	0	0	0	0	0	0
Station Equipment	210	111	73	9,264	0	221
Overhead Lines	213	14	48	4,529	0	157
Underground Lines	50	12	10	0	0	0
Miscellaneous Transmission Plant	0	1	0	0	0	0
Total Maintenance Expenses	501	147	97	5,850	0	485
Total Transmission Expenses	3,067	261	107	7,446	0	1,343
Distribution						
Operation Expenses						
Supervision and Engineering	1,196	292	2	716	0	333
Load Dispatching	0	10	0	11	0	69
Station Expenses	612	30	6	629	0	76
Overhead Line Expenses	355	709	4	821	0	400
Underground Line Expenses	229	6	0	373	0	50
Street Lighting and Signal System Expenses	510	1	0	227	0	7
Meter Expenses	1,291	290	29	1,534	0	354
Customer Installation Expenses	667	20	1	287	0	13
Miscellaneous Distribution Expenses	1,990	245	10	2,267	0	229
Items	44	0	0	62	0	85
Total Operation Expenses	7,195	973	53	5,961	0	1,977
Maintenance Expenses						
Supervision and Engineering	145	54	23	208	0	245
Structures	10	2	1	85	0	0
Station Equipment	1,026	174	20	5,915	0	88
Overhead Lines	5,368	740	165	25,357	0	1,086
Underground Lines	754	116	1	1,227	0	127
Line Transformers	540	29	2	580	0	74
Street Lighting and Signal Systems	114	16	21	779	0	32
Meters	521	4	3	33	0	66
Miscellaneous Distribution Plant	27	3	4	77	0	10
Total Maintenance Expenses	8,116	1,262	236	30,189	0	1,712
Total Distribution Expenses	15,311	2,234	288	37,150	0	3,689
Customer Accounts Expenses						
Supervision	879	10	0	965	0	171
Meter Reading Expenses	2,730	222	39	2,034	0	712
Customer Records and Collection Expenses	9,842	530	44	8,767	1	1,186
Uncollectible Accounts	2,089	139	14	714	0	244
Miscellaneous Customer Accounts Expenses	207	0	0	549	0	297
Total Customer Accounts Expenses	10,166	891	143	12,448	1	3,255
Customer Service and Information Expenses						
Supervision	269	0	0	206	0	48
Customer Assistance Expenses	1,144	744	0	4,213	0	656
Informational and Instructional Expenses	107	15	2	411	0	94
Miscellaneous Customer Service and Information Expenses	86	6	0	145	0	6
Total Customer Service and Informational Expenses	1,541	173	2	5,481	0	795

See addenda at end of an individual investor utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Rhode Island	Rhode Island	South Carolina	South Carolina	South Carolina	South Dakota
Item	Narragansett Electric Co.	Newport Electric Corp.	Lockhart Power Co.	South Carolina Electric & Gas Co.	South Carolina Generating Co. Inc.	Black Hills Corp.
Sales Expenses						
Supplies	0	0	0	246	0	0
Demonstrating and Selling Expenses	0	0	0	1,276	0	0
Advertising Expenses	0	0	0	127	0	0
Miscellaneous Sales Expenses	0	0	0	88	0	0
Total Sales Expenses	0	0	0	1,738	0	0
Administrative and General Expenses						
Operation Expenses						
Administrative and General Supplies	2,415	910	210	13,623	213	1,012
Office Supplies and Expenses	2,390	94	18	7,722	39	591
Legal Administrative Expenses						
Transfered (credit)	187	0	8	0	0	0
Outside Services Employed	10	145	32	6,917	425	479
Property Insurance	563	64	12	3,573	258	211
Injuries And Damages	1,207	395	13	5,313	170	722
Employee Pensions And Benefits	6,871	1,120	175	17,004	675	1,280
Franchise Requirements	0	0	0	292	0	0
Regulatory Commission Expenses	1,006	85	0	1,435	285	30
Depreciate Charges (credit)	0	0	0	3,909	0	0
General Advertising Expenses	137	9	2	26	0	4
Miscellaneous General Expenses	894	315	14	3,828	185	487
Waste	591	7	3	4,329	92	15
Total Operation Expenses	17,157	3,142	471	60,153	2,322	4,600
Maintenance of General Plant	714	282	59	2,277	9	239
Total Administrative and General Expenses	17,871	3,425	530	62,430	2,330	5,039
Total Electric Operation and Maintenance Expenses	286,870	42,754	13,138	460,495	63,205	60,581
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	9,572	919	575	32,549	2,915	3,315
Transmission	1,009	720	47	2,483	0	751
Distribution	7,904	1,487	124	13,732	0	2,074
Customer Accounts	4,154	577	71	7,037	1	1,777
Customer Service and Information Expenses	656	98	0	1,752	0	469
Sales Expenses	70	0	0	1,119	0	0
Administrative and General	1,776	1,191	309	12,246	117	2,036
Allocated from Clearing Accounts	568	0	15	1,612	0	0
Total Salaries and Wages	25,840	3,750	940	72,512	3,032	10,422
Number of Electric Department Employees						
Regular Full-time Employees	949	131	49	3,128	0	355
Part-time and Temporary Employees	7	5	0	134	0	23
Total Electric Department Employees	956	132	49	3,262	0	378

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form No. 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	South Dakota	Tennessee	Tennessee	Texas	Texas	Texas
	Northwestern Public Service Co.	Kingsport Power Co.	Tapco Inc.	Central Power & Light Co.	El Paso Electric Co.	Leaf States Utilities Co.
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	285	0	0	1,296	420	2,194
Fuel	12,411	0	0	812,100	69,475	266,206
Steam Expenses	455	0	0	4,537	1,747	5,544
Steam from Other Sources	0	0	0	0	0	0
Losses Steam Transferred credit	0	0	0	0	0	0
Electric Expenses	716	0	0	5,983	1,706	3,422
Miscellaneous Steam Power Expenses	285	0	0	3,839	1,206	9,886
Rents	0	0	0	5	6	0
Total Operation Expenses	14,150	0	0	327,760	74,558	386,704
Maintenance Expenses						
Supervision and Engineering	56	0	0	1,633	494	3,117
Structures	56	0	0	1,876	252	3,751
Boiler Plant	1,193	0	0	8,621	3,022	14,469
Electric Plant	263	0	0	8,901	2,482	9,506
Miscellaneous Steam Plant	122	0	0	1,676	376	1,628
Total Maintenance Expenses	1,807	0	0	22,707	6,627	32,471
Total Steam Power Production Expenses	15,957	0	0	350,467	81,185	421,175
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	6,748	7,467	11,879
Fuel	0	0	0	16,000	10,433	44,382
Chemicals and Water	0	0	0	1,841	1,618	1,262
Steam Expenses	0	0	0	2,645	2,842	8,048
Steam from Other Sources	0	0	0	0	0	0
Losses Steam Transferred credit	0	0	0	0	0	0
Electric Expenses	0	0	0	1,294	565	780
Miscellaneous Nuclear Power Expenses	0	0	0	5,603	11,213	21,090
Rents	0	0	0	3	63,656	1,306
Total Operation Expenses	0	0	0	34,134	97,793	88,750
Maintenance Expenses						
Supervision and Engineering	0	0	0	4,445	4,569	10,334
Structures	0	0	0	703	2,078	4,865
Reactor Plant Equipment	0	0	0	3,100	2,084	13,704
Electric Plant	0	0	0	2,636	1,122	5,263
Miscellaneous Nuclear Plant	0	0	0	4,746	4,001	10,808
Total Maintenance Expenses	0	0	0	15,630	13,853	44,975
Total Nuclear Power Production Expenses	0	0	0	49,763	111,647	133,725
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	814	16	0	0
Water for Power	0	0	36	1,308	0	0
Hydraulic Expenses	0	0	137	27	0	0
Electric Expenses	0	0	958	64	0	0
Miscellaneous Hydraulic Expenses	0	0	437	6	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	1,753	1,122	0	0

See appendixes A and B for individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	South Dakota	Tennessee	Tennessee	Texas	Texas	Texas
	Northwestern Public Service Co.	Kingsport Power Co.	Tapco Inc.	Central Power & Light Co.	El Paso Electric Co.	Gulf States Utilities Co.
Maintenance Expenses						
Supervision and Engineering	0	0	191	1	0	0
Structures	0	0	38	37	0	0
Reservoirs, Dams and Waterways	0	0	926	9	0	0
Electric Plant	0	0	509	18	0	0
Miscellaneous Hydraulic Plant	0	0	174	12	0	0
Total Maintenance Expenses	0	0	2,186	77	0	0
Total Hydraulic Power Production Expenses	0	0	3,968	1,199	0	0
Other Power						
Operation Expenses						
Supervision and Engineering	46	0	0	10	29	0
Fuel	61	0	0	1,032	700	0
Generation Expenses	62	0	0	125	5	0
Miscellaneous Other Power Expenses	68	0	0	28	14	0
Rents	0	0	0	0	10	0
Total Operation Expenses	238	0	0	1,195	757	0
Maintenance Expenses						
Supervision and Engineering	59	0	0	0	10	0
Structures	21	0	0	0	1	0
Generating and Electric Plant	199	0	0	125	84	0
Miscellaneous Other Power Plant	0	0	0	0	0	0
Total Maintenance Expenses	274	0	0	126	96	0
Total Other Power Production Expenses	511	0	0	1,321	853	0
Other Power Supply Expenses						
Purchased Power	-957	50,488	0	16,560	34,261	225,781
System Control and Load Dispatching	341	61	270	1,180	819	843
Other Expenses	0	0	9,309	-9,202	0	0
Total Other Power Supply Expenses	-616	50,547	9,579	8,537	35,080	226,623
Total Power Production Expenses	15,852	50,547	13,547	411,288	228,765	781,523
Transmission						
Operation Expenses						
Supervision and Engineering	168	70	146	784	153	3,079
Load Dispatching	189	82	56	956	63	816
Station Expenses	105	133	178	820	204	1,640
Overhead Line Expenses	66	1	1	279	57	852
Underground Line Expenses	0	0	0	1	0	0
Transmission of Electricity by Others	680	0	0	6,835	4,219	0
Miscellaneous Transmission Expenses	61	32	19	1,414	356	409
Rents	41	28	24	13	114	72
Total Operation Expenses	1,310	347	424	11,101	5,167	6,868

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	South Dakota Northwestern Public Service Co.	Tennessee Kingsport Power Co.	Tennessee Tupelo Inc.	Texas Central Power & Light Co.	Texas El Paso Electric Co.	Texas Gulf States Utilities Co.
Maintenance Expenses						
Supervision and Engineering	98	37	306	472	61	1,963
Structures	0	46	36	30	8	4
Station Equipment	203	128	522	1,310	243	4,675
Overhead Lines	320	47	68	3,052	245	3,205
Underground Lines	0	0	0	207	0	0
Miscellaneous Transmission Plant	0	0	203	110	62	6
Total Maintenance Expenses	522	258	1,165	5,180	624	9,853
Total Transmission Expenses	1,832	605	1,589	16,281	5,791	16,721
Distribution						
Operation Expenses						
Supervision and Engineering	267	310	0	1,644	545	2,357
Load Dispatching	0	0	0	513	178	593
Station Expenses	105	55	0	791	340	1,411
Overhead Line Expenses	228	66	0	2,535	593	2,879
Underground Line Expenses	95	0	0	344	353	1,523
Street Lighting and Signal System Expenses	84	8	0	415	212	802
Meter Expenses	292	273	0	3,302	849	3,400
Customer Installations Expenses	26	180	0	1,645	438	2,679
Miscellaneous Distribution Expenses	499	431	0	4,840	2,125	5,303
Rents	11	172	0	7	93	176
Total Operation Expenses	1,607	1,495	0	16,036	5,734	21,748
Maintenance Expenses						
Supervision and Engineering	145	179	0	1,029	234	2,702
Structures	0	22	0	36	49	7
Station Equipment	104	50	0	1,326	540	1,557
Overhead Lines	1,160	965	0	8,763	1,782	13,373
Underground Lines	105	103	0	963	314	1,401
Line Transformers	76	105	0	1,079	201	1,261
Street Lighting and Signal Systems	60	48	0	653	290	1,059
Meters	61	55	0	910	113	709
Miscellaneous Distribution Plant	27	14	0	746	268	251
Total Maintenance Expenses	1,738	1,542	0	14,904	3,790	22,319
Total Distribution Expenses	3,345	3,037	0	30,940	9,524	44,068
Customer Accounts Expenses						
Supervision	96	123	0	1,645	289	594
Meter Reading Expenses	320	256	0	3,017	927	3,190
Customer Records and Collection Expenses	736	554	0	20,778	4,296	10,952
Uncollectible Accounts	73	87	0	0	739	1,755
Miscellaneous Customer Accounts Expenses	5	26	0	2,174	161	187
Total Customer Accounts Expenses	1,229	1,047	0	27,613	6,412	16,679
Customer Service and Information Expenses						
Supervision	12	49	0	198	461	1,077
Customer Assistance Expenses	140	53	0	1,092	1,150	2,103
Informational and Instructional Expenses	50	34	0	1,499	69	408
Miscellaneous Customer Service and Information Expenses	42	20	0	17	125	1,070
Total Customer Service and Information Expenses	244	155	0	2,805	1,806	4,658

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	South Dakota	Tennessee	Tennessee	Texas	Texas	Texas
Item	Northwestern Public Service Co.	Kingsport Power Co.	Tapoco Inc.	Central Power & Light Co.	El Paso Electric Co.	Gulf States Utilities Co.
Sales Expenses:						
Supervision	138	0	0	132	0	305
Demonstrating and Selling Expenses	120	3	0	2,447	61	2,695
Advertising Expenses	51	0	0	148	0	930
Miscellaneous Sales Expenses	1	0	0	29	0	0
Total Sales Expenses	309	3	0	2,756	61	3,930
Administrative and General Expenses:						
Operation Expenses						
Administrative and General Salaries	1,926	732	195	19,435	8,611	28,276
Office Supplies and Expenses	740	322	353	14,085	2,267	8,956
(less) Administrative Expenses						
Transferred (credit)	172	6	0	661	0	1,437
Outside Services Employed	407	100	530	6,427	6,075	8,118
Property Insurance	230	22	185	3,274	2,303	10,650
Injuries And Damages	785	70	44	3,786	3,795	13,684
Employee Pensions And Benefits	1,663	421	61	23,768	12,025	26,641
Franchise Requirements	0	0	0	2	0	0
Regulatory Commission Expenses	0	132	585	3,302	2,845	7,232
(less) Duplicate Charges (credit)	3	0	0	0	0	0
General Advertising Expenses	61	39	0	663	41	326
Miscellaneous General Expenses	459	44	15	7,553	5,917	3,687
Rents	57	5	0	4,216	4,537	6,537
Total Operation Expenses	6,159	1,740	1,989	85,849	48,416	115,545
Maintenance of General Plant	382	100	159	2,811	630	3,683
Total Administrative and General Expenses	6,541	1,840	2,149	88,660	49,046	119,229
Total Electric Operation and Maintenance Expenses	29,352	57,234	17,284	580,343	301,405	986,807
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance:						
Production	436	0	3,074	18,836	5,781	73,482
Transmission	634	74	867	4,320	642	10,078
Distribution	2,255	1,445	0	15,519	6,543	23,455
Customer Accounts	959	581	0	9,253	4,062	11,024
Customer Service and Informational Expenses	184	71	0	1,082	1,464	3,438
Sales Expenses	233	0	0	1,033	0	2,224
Administrative and General	2,151	395	511	12,750	10,100	33,259
Allocated from Clearing Accounts	1,111	70	0	871	527	2,988
Total Salaries and Wages	7,963	2,635	4,452	63,663	29,119	159,947
Number of Electric Department Employees:						
Regular Full-time Employees	289	101	93	2,347	1,004	4,585
Part-time and Temporary Employees	11	0	0	30	28	41
Total Electric Department Employees	300	101	93	2,377	1,032	4,626

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Texas Houston Lighting & Power Co	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Utilities Electric Co	Texas New Mexico Power Co	Texas West Texas Utilities Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	8,951	0	754	25,583	41	852
Fuel	938,612	0	308,370	1,364,917	24	127,736
Steam Expenses	20,294	0	3,931	33,451	71	839
Steam from Other Sources	0	0	1,817	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	14,230	0	6,233	11,447	71	427
Miscellaneous Steam Power Expenses	11,403	0	4,245	21,117	60	2,853
Rents	7	0	4	1,494	0	10
Total Operation Expenses	993,498	0	325,355	1,458,008	267	136,217
Maintenance Expenses						
Supervision and Engineering	13,935	0	1,437	23,105	41	825
Structures	7,082	0	946	10,080	1	810
Boiler Plant	50,415	0	5,896	195,892	13	2,828
Electric Plant	22,567	0	3,518	33,741	0	3,495
Miscellaneous Steam Plant	5,208	0	716	2,108	1	545
Total Maintenance Expenses	99,208	0	12,512	174,926	56	8,502
Total Steam Power Production Expenses	1,092,706	0	337,867	1,632,934	323	144,719
Nuclear Power						
Operation Expenses						
Supervision and Engineering	8,258	0	0	0	0	0
Fuel	18,353	0	0	0	0	0
Coolants and Water	2,261	0	0	0	0	0
Steam Expenses	3,238	0	0	0	0	0
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	1,594	0	0	0	0	0
Miscellaneous Nuclear Power Expenses	6,233	0	0	0	0	0
Rents	4	0	0	0	0	0
Total Operation Expenses	39,941	0	0	0	0	0
Maintenance Expenses						
Supervision and Engineering	1,436	0	0	0	0	0
Structures	868	0	0	0	0	0
Reactor Plant Equipment	3,940	0	0	0	0	0
Electric Plant	3,114	0	0	0	0	0
Miscellaneous Nuclear Plant	5,817	0	0	0	0	0
Total Maintenance Expenses	19,225	0	0	0	0	0
Total Nuclear Power Production Expenses	59,166	0	0	0	0	0
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	0	0
Water for Power	0	0	0	0	0	0
Hydraulic Expenses	0	0	0	0	0	0
Electric Expenses	0	0	0	0	0	0
Miscellaneous Hydraulic Expenses	0	0	0	0	0	0
Rents	0	0	0	0	0	0
Total Operation Expenses	0	0	0	0	0	0

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Texas	Texas	Texas	Texas	Texas	Texas
Item	Houston Lighting & Power Co.	Southwestern Electric Service Co.	Southwestern Public Service Co.	Texas Utilities Electric Co.	Texas- New Mexico Power Co.	West Texas Utilities Co.
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	0	0
Structures	0	0	0	0	0	0
Reservoirs, Dams and Waterways	0	0	0	0	0	0
Electric Plant	0	0	0	0	0	0
Miscellaneous Hydraulic Plant	0	0	0	0	0	0
Total Maintenance Expenses	0	0	0	0	0	0
Total Hydraulic Power Production Expenses	0	0	0	0	0	0
Other Power						
Operation Expenses						
Supervision and Engineering	274	0	50	57	0	2
Fuel	27,674	0	2,835	12,815	0	17
Generation Expenses	2,188	0	52	234	0	16
Miscellaneous Other Power Expenses	86	0	47	54	0	10
Rents	0	0	0	21,573	0	0
Total Operation Expenses	40,129	0	2,984	34,534	0	44
Maintenance Expenses						
Supervision and Engineering	1,080	0	13	88	0	6
Structures	50	0	2	61	0	5
Generating and Electric Plant	10,341	0	112	820	0	237
Miscellaneous Other Power Plant	53	0	8	120	0	7
Total Maintenance Expenses	11,144	0	135	1,089	0	254
Total Other Power Production Expenses	51,273	0	3,119	35,623	0	299
Other Power Supply Expenses						
Purchased Power	280,984	40,503	115,214	459,493	257,259	8,662
System Control and Load Dispatching	3,056	0	636	1,604	59	386
Other Expenses	0	0	0	11,775	2,210	0
Total Other Power Supply Expenses	387,034	40,503	115,910	472,872	259,528	9,069
Total Power Production Expenses	1,600,179	40,503	456,895	2,141,429	259,851	154,086
Transmission						
Operation Expenses						
Supervision and Engineering	403	126	782	1,166	81	99
Load Dispatching	858	0	1,028	4,533	219	189
Station Expenses	377	32	718	3,113	108	228
Overhead Line Expenses	198	4	214	544	101	133
Underground Line Expenses	2	0	0	2	0	0
Transmission of Electricity by Others	171	0	72	6,136	336	4,228
Miscellaneous Transmission Expenses	275	43	349	3,777	293	1,038
Rents	0	0	14	613	13	6
Total Operation Expenses	2,285	205	3,176	19,884	1,150	5,920

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Texas Houston Lighting & Power Co.	Texas Southwestern Electric Co.	Texas Southwestern Public Service Co.	Texas Utility Electric Co.	Texas New Mexico Power Co.	Texas West Texas Utilities Co.
Maintenance Expenses						
Supervision and Engineering	4,000	103	28	1,437	18	68
Structures	1,100		0	328	1	1
Station Equipment	4,240		107	8,394	232	76.1
Overhead Lines	1,270	10	1,045	8,240	218	1,201
Underground Lines	8		0	35	0	0
Miscellaneous Transmission Plant	208		18	1,684	0	0
Total Maintenance Expenses	5,396	263	1,979	15,638	468	1,362
Total Transmission Expenses	7,681	468	5,156	35,522	1,619	7,282
Distribution						
Operation Expenses						
Supervision and Engineering	5,181	163	1,000	8,140	515	472
Structures	70	0	0	1,007	320	11.7
Station Equipment	138	156	13.75	3,443	668	124
Overhead Line Expenses	1,048		1,962	8,676	1,131	88.1
Underground Line Expenses	1,000	23	114	2,815	253	8.1
Street Lighting and Signal Systems	1,000	0	0	471	180	278
Meter Expenses	1,000		0	8,158	1,643	1,899
Customer Metering Expenses	18,080	14	3,048	1,968	375	435
Miscellaneous Distribution Plant	11,940	0	1,400	20,110	110	2,689
Reams	0		0	490	4.7	100
Total Operation Expenses	44,321	1,023	8,873	50,391	6,301	6,999
Maintenance Expenses						
Supervision and Engineering	1,408	136	470	1,472	55	329
Structures	290		0	217	156	1
Station Equipment	1,640	243	80	6,399	1,390	482
Overhead Lines	10,438	144	3,964	34,645	4,523	2,905
Underground Lines	10,780		142	3,883	428	123
Line Transformers	1,000	114	1,018	4,879	251	58.7
Street Lighting and Signal Systems	1,110	86	400	1,024	378	328
Meters	1,070	0	1,010	6,378	280	442
Miscellaneous Distribution Plant	280	1	132	2,222	4	76.1
Total Maintenance Expenses	33,817	1,367	6,514	63,561	7,145	5,360
Total Distribution Expenses	78,138	2,388	15,387	113,952	15,447	12,359
Customer Accounts Expenses						
Supervision	1,600	134	170	2,329	144	142
Meter Reading Expenses	5,170	335	2,473	10,961	1,539	1,375
Customer Records and Collection Expenses	40,569	831	6,503	70,459	8,569	8,885
Uncollectible Accounts	8,600	203	325	74,546	938	0
Miscellaneous Customer Accounts Expenses	150	84	189	452	375	862
Total Customer Accounts Expenses	56,522	1,563	11,895	98,747	11,565	11,364
Customer Service and Information Expenses						
Supervision	644	20	252	2,370	172	59
Customer Assistance Expenses	2,844	10	2,254	21,126	601	1,485
Informational and Instructional Expenses	1,932	83	1,440	2,655	237	373
Miscellaneous Customer Service and Informational Expenses	101	0	176	1,132	389	57
Total Customer Service and Informational Expenses	4,622	115	4,121	27,284	1,399	1,973

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Texas Houston Lighting & Power Co.	Texas Southwestern Electric Service Co.	Texas Southwestern Public Service Co.	Texas Utilities Electric Co.	Texas New Mexico Power Co.	Texas West Texas Utilities Co.
Sales Expenses						
Supervision	537	0	66	0	0	42
Demonstrating and Selling Expenses	6,694	0	564	0	0	118
Advertising Expenses	1,167	0	135	58	47	43
Miscellaneous Sales Expenses	159	0	1,783	0	0	0
Total Sales Expenses	10,758	0	2,547	58	47	203
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	37,840	808	11,022	54,136	8,284	7,267
Office Supplies and Expenses	25,861	281	6,190	12,152	2,570	2,190
Less: Administrative Expenses - Transferred (credit)	3,783	462	0	0	0	1,135
Outside Services Employed	41,171	237	2,067	41,600	1,822	1,700
Property Insurance	9,463	29	2,212	4,766	225	462
Injuries And Damages	14,929	451	1,771	10,476	949	1,066
Employee Pension And Benefits	45,454	1,544	6,930	58,295	5,080	6,357
Employee Requirements	14,301	0	0	0	0	1
Regulatory Commission Expenses	2,188	23	1,172	37	374	1,139
Less: Duplicate Charges (credit)	0	0	0	0	0	0
General Advertising Expenses	1,869	0	192	2,703	0	262
Miscellaneous General Expenses	22,106	193	2,341	26,688	522	1,944
Rents	10,000	62	1,161	6,045	616	1,031
Total Operation Expenses	279,519	2,752	34,977	216,898	20,992	22,284
Maintenance of General Plant	15,912	68	984	4,480	300	889
Total Administrative and General Expenses	295,439	2,819	35,960	221,378	21,292	23,273
Total Electric Operation and Maintenance Expenses	2,053,338	47,857	531,962	2,638,370	311,219	210,540
Distribution of Salaries and Wages - Charges to Electric Operation and Maintenance						
Production	103,952	0	17,014	118,035	313	10,799
Transmission	3,751	305	3,332	17,321	659	1,809
Distribution	43,645	1,511	10,182	61,280	10,428	7,404
Customer Accounts	25,164	1,048	6,655	37,214	4,738	4,855
Customer Service and Informational Expenses	2,169	23	2,016	15,364	864	896
Sales Expenses	0,223	0	492	0	0	125
Administrative and General	66,459	937	12,698	59,539	2,450	7,080
Allocated from Clearing Accounts	29,413	11	5,747	0	6,236	150
Total Salaries and Wages	277,955	3,830	58,137	308,773	25,689	33,218
Number of Electric Department Employees						
Regular Full-time Employees	10,961	143	2,016	11,825	1,085	1,281
Part-time and Temporary Employees	47	15	12	239	17	13
Total Electric Department Employees	11,008	158	2,028	12,064	1,102	1,294

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Vermont Central Vermont Public Service Corp	Vermont Green Mountain Power Corp	Vermont Vermont Electric Power Co. Inc.	Vermont Vermont Yankee Nuclear Power Corp	Virginia Appalachian Power Co.	Virginia Virginia Electric & Power Co.
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	30	13	0	0	9,468	13,168
Fuel	2,668	1,492	0	0	440,246	529,033
Steam Expenses	103	61	0	0	5,143	9,496
Steam from Other Sources	0	43	0	0	0	0
(Less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	43	26	0	0	2,437	4,822
Miscellaneous Steam Power Expenses	345	35	0	0	7,022	24,800
Rents	0	0	0	0	416	144
Total Operation Expenses	3,188	1,669	0	0	464,730	581,463
Maintenance Expenses						
Supervision and Engineering	29	15	0	0	3,849	17,754
Structures	14	3	0	0	3,236	3,463
Boiler Plant	77	39	0	0	28,743	40,741
Electric Plant	40	19	0	0	9,503	13,605
Miscellaneous Steam Plant	6	5	0	0	2,868	10,983
Total Maintenance Expenses	166	81	0	0	48,199	86,628
Total Steam Power Production Expenses	3,353	1,750	0	0	512,930	668,091
Nuclear Power						
Operation Expenses						
Supervision and Engineering	223	0	0	12,072	0	34,190
Fuel	795	0	0	24,109	0	55,927
Condensate and Water	49	0	0	120	0	2,320
Steam Expenses	103	0	0	12,037	0	19,896
Steam from Other Sources	0	0	0	0	0	18
(Less) Steam Transferred (credit)	0	0	0	0	0	5
Electric Expenses	50	0	0	26	0	1,248
Miscellaneous Nuclear Power Expenses	736	0	0	9,455	0	31,947
Rents	11	0	0	680	0	163
Total Operation Expenses	1,967	0	0	58,499	0	145,713
Maintenance Expenses						
Supervision and Engineering	84	0	0	3,519	0	40,137
Structures	32	0	0	665	0	6,782
Reactor Plant Equipment	171	0	0	9,137	0	45,901
Electric Plant	148	0	0	5,855	0	16,726
Miscellaneous Nuclear Plant	23	0	0	247	0	654
Total Maintenance Expenses	457	0	0	19,424	0	108,892
Total Nuclear Power Production Expenses	2,424	0	0	77,923	0	254,605
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	178	8	0	0	519	1,068
Water for Power	31	117	0	0	0	202
Hydraulic Expenses	68	77	0	0	433	491
Electric Expenses	425	279	0	0	135	1,238
Miscellaneous Hydraulic Expenses	203	172	0	0	536	1,317
Rents	0	3	0	0	1	15
Total Operation Expenses	906	657	0	0	1,623	4,332

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Vermont	Vermont	Vermont	Vermont	Virginia	Virginia
Item	Central Vermont Public Service Corp	Green Mountain Power Corp	Vermont Electric Power Co Inc	Vermont Yankee Nuclear Power Corp	Appalachian Power Co	Virginia Electric & Power Co
Maintenance Expenses						
Supervision and Engineering	58	67	0	0	226	810
Structures	65	11	0	0	77	580
Reservoirs, Dams and Waterways	138	216	0	0	577	789
Electric Plant	479	151	0	0	896	1,865
Miscellaneous Hydraulic Plant	26	7	0	0	258	732
Total Maintenance Expenses	766	452	0	0	2,033	4,776
Total Hydraulic Power Production Expenses	1,572	1,109	0	0	3,656	9,108
Other Power						
Operation Expenses						
Supervision and Engineering	2	37	0	0	0	566
Fuel	253	3,203	0	0	0	10,108
Generation Expenses	57	122	0	0	0	161
Miscellaneous Other Power Expenses	10	693	0	0	0	722
Rents	0	37	0	0	0	4,170
Total Operation Expenses	321	4,019	0	0	0	15,727
Maintenance Expenses						
Supervision and Engineering	1	47	0	0	0	173
Structures	9	19	0	0	0	231
Generating and Electric Plant	37	473	0	0	0	1,635
Miscellaneous Other Power Plant	16	130	0	0	0	87
Total Maintenance Expenses	62	669	0	0	0	2,125
Total Other Power Production Expenses	383	4,688	0	0	0	17,852
Other Power Supply Expenses						
Purchased Power	103,417	77,181	96,397	0	184,162	536,841
System Control and Load Dispatching	133	395	0	0	2,620	841
Other Expenses	0	718	0	0	7	6,989
Total Other Power Supply Expenses	103,580	78,294	96,397	0	186,790	530,694
Total Power Production Expenses	111,412	85,841	96,397	77,923	703,376	1,480,350
Transmission						
Operation Expenses						
Supervision and Engineering	88	88	142	0	3,070	3,336
Load Dispatching	629	107	660	0	1,485	1,156
Station Expenses	66	69	133	0	2,399	2,607
Overhead Line Expenses	47	23	34	0	161	1,151
Underground Line Expenses	0	0	3	0	0	0
Transmission of Electricity by Others	9,098	9,940	0	0	3,322	29
Miscellaneous Transmission Expenses	140	13	0	0	2,064	465
Rents	7	189	272	0	183	752
Total Operation Expenses	10,075	10,438	1,244	0	12,684	9,496

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Vermont Central Vermont Public Service Corp.	Vermont Green Mountain Power Corp.	Vermont Vermont Electric Power Co., Inc.	Vermont Vermont Nuclear Power Corp.	Virginia Appalachian Power Co.	Virginia Virginia Electric & Power Co.
Maintenance Expenses						
Supervision and Engineering	51	66	40	22	1,342	1,782
Structures	1	0	62	0	368	72
Station Equipment	194	118	187	22	6,303	4,511
Overhead Lines	795	92	842	0	6,821	6,995
Underground Lines	0	0	0	0	17	68
Miscellaneous Transmission Plant	1	1	0	0	89	139
Total Maintenance Expenses	1,045	261	1,361	22	14,640	13,567
Total Transmission Expenses	11,120	10,698	2,505	22	27,324	23,063
Distribution						
Operation Expenses						
Supervision and Engineering	388	297	0	0	4,695	11,475
Load Dispatching	385	12	0	0	72	2,001
Station Expenses	110	75	0	0	1,857	5,625
Overhead Line Expenses	510	13	0	0	1,481	2,764
Underground Line Expenses	12	0	0	0	404	3,755
Street Lighting and Signal System Expenses	76	92	0	0	143	848
Meters	114	219	0	0	4,748	5,513
Customer Installations Expenses	81	114	0	0	1,542	1,802
Miscellaneous Distribution Expenses	133	268	0	0	7,860	21,310
Reimb.	940	34	0	0	852	536
Total Operation Expenses	4,192	1,207	0	0	22,795	57,129
Maintenance Expenses						
Supervision and Engineering	267	142	0	0	1,020	6,911
Structures	80	0	0	0	324	168
Station Equipment	439	215	0	0	2,367	6,165
Overhead Lines	6,244	1,696	0	0	14,057	37,777
Underground Lines	43	211	0	0	2,959	16,048
Line Transformers	131	89	0	0	2,764	564
Street Lighting and Signal Systems	123	83	0	0	577	3,030
Meters	401	1,194	0	0	1,282	620
Miscellaneous Distribution Plant	72	15	0	0	510	724
Total Maintenance Expenses	7,345	2,685	0	0	47,863	72,016
Total Distribution Expenses	11,537	3,893	0	0	70,658	129,145
Customer Accounts Expenses						
Supervision	395	163	0	0	1,508	2,776
Meter Reading Expenses	1,368	407	0	0	6,952	12,048
Customer Records and Collection Expenses	3,518	1,241	0	0	12,074	27,137
Uncollectible Accounts	245	180	0	0	1,854	4,433
Miscellaneous Customer Accounts Expenses	42	100	0	0	848	0
Total Customer Accounts Expenses	5,568	2,094	0	0	23,235	46,394
Customer Service and Information Expenses						
Supervision	296	52	0	0	1,026	3,171
Customer Assistance Expenses	584	166	0	0	2,315	7,252
Informational and Instructional Expenses	130	166	0	0	2,800	3,638
Miscellaneous Customer Service and Informational Expenses	138	4	0	0	529	686
Total Customer Service and Informational Expenses	1,149	388	0	0	6,669	14,747

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Vermont	Vermont	Vermont	Vermont	Virginia	Virginia
Item	Central Vermont Public Service Corp.	Green Mountain Power Corp.	Vermont Electric Power Co. Inc.	Vermont Rankine Nuclear Power Corp.	Appalachian Power Co.	Virginia Electric & Power Co.
Sales Expenses						
Supervision	0	20	0	0	0	0
Demonstrating and Selling Expenses	0	0	0	0	61	0
Advertising Expenses	0	0	0	0	0	0
Miscellaneous Sales Expenses	0	4	0	0	0	0
Total Sales Expenses	0	24	0	0	61	0
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	6,241	4,171	1,111	3,267	13,062	66,504
Office Supplies and Expenses	1,924	1,743	489	1,154	7,204	20,296
Other Administrative Expenses						
Transferred Credits	0	1,611	0	0	805	577
Outside Services Employed	1,542	1,561	246	2,234	747	12,115
Property Insurance	325	196	72	4,296	1,206	10,719
Injuries And Damages	1,019	770	132	1,049	5,275	12,740
Employee Pension And Benefits	2,787	1,922	413	1,781	14,925	58,851
Employee Requirements	0	0	0	0	9	10
Regulatory Commission Expenses	513	453	216	2,270	984	2,592
Legal/Regulatory Charges and Costs	0	112	0	0	300	0
General Advertising Expenses	354	122	0	365	1,438	297
Miscellaneous General Expenses	852	2,181	155	115	2,036	17,191
Rents	482	1,179	2	380	299	4,434
Total Operation Expenses	16,040	12,575	2,836	16,911	46,079	205,232
Maintenance of General Plant	503	935	221	0	3,363	7,433
Total Administrative and General Expenses	16,543	13,509	3,057	16,911	49,441	212,665
Total Electric Operation and Maintenance Expenses	157,329	116,448	102,059	94,856	880,764	1,906,364
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	1,489	1,431	0	12,121	33,877	175,684
Transmission	453	348	1,076	0	12,146	11,855
Distribution	4,503	2,489	0	0	33,667	75,454
Customer Accounts	2,693	1,425	0	0	13,153	31,767
Customer Service and Informational Expenses	1,208	128	0	0	2,460	7,323
Sales Expenses	0	19	0	0	0	0
Administrative and General	6,213	4,278	1,152	3,359	11,049	74,455
Allocated from Clearing Accounts	853	535	0	308	14,020	10,108
Total Salaries and Wages	17,411	10,634	2,228	15,787	120,372	386,646
Number of Electric Department Employees						
Regular Full-time Employees	722	383	75	327	4,697	12,594
Part-time and Temporary Employees	31	19	3	12	54	94
Total Electric Department Employees	753	402	78	339	4,751	12,688

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Washington Puget Sound Power & Light Co.	Washington Water Power Co.	West Virginia Monongahela Power Co.	West Virginia Whiting Power Co.	Wisconsin Consolidated Water Power Co.	Wisconsin Madison Co. & Electric Co.
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	1,490	303	1,275	0	0	242
Fuel	47,146	36,791	148,415	0	0	25,292
Steam Expenses	15,854	11,543	3,762	0	0	1,391
Steam from Other Sources	0	0	0	0	0	0
Losses Steam Transmitted (credit)	0	0	0	0	0	0
Electric Expenses	1,128	1,152	11,981	0	0	421
Miscellaneous Steam Power Expenses	4,194	1,813	2,552	0	0	1,372
Rents	0	0	0	0	0	0
Total Operation Expenses	54,028	42,114	179,824	0	0	29,190
Maintenance Expenses						
Supervision and Engineering	1,100	303	1,002	0	0	233
Structures	1,702	341	1,000	0	0	363
Power Plant	4,186	2,463	14,908	0	0	2,174
Electric Plant	2,468	880	7,420	0	0	668
Miscellaneous Steam Plant	1,104	712	960	0	0	230
Total Maintenance Expenses	10,380	6,725	32,860	0	0	4,490
Total Steam Power Production Expenses	70,408	48,840	212,783	0	0	33,680
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	0	121
Fuel	0	0	0	0	0	2,886
Reactor and Water	0	0	0	0	0	0
Steam Expenses	0	0	0	0	0	1,722
Steam from Other Sources	0	0	0	0	0	0
Losses Steam Transmitted (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	0	0	291
Miscellaneous Nuclear Power Expenses	0	0	0	0	0	2,417
Rents	0	0	0	0	0	298
Total Operation Expenses	0	0	0	0	0	10,592
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	0	166
Structures	0	0	0	0	0	123
Reactor Plant Equipment	0	0	0	0	0	1,363
Electric Plant	0	0	0	0	0	490
Miscellaneous Nuclear Plant	0	0	0	0	0	260
Total Maintenance Expenses	0	0	0	0	0	3,019
Total Nuclear Power Production Expenses	0	0	0	0	0	13,611
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	461	1,538	0	0	0	0
Water for Power	0	533	0	0	374	0
Hydraulic Expenses	645	295	0	0	120	0
Electric Expenses	694	1,860	0	0	256	0
Miscellaneous Hydraulic Expenses	2,267	567	0	0	34	0
Rents	0	129	0	0	0	0
Total Operation Expenses	3,978	4,876	0	0	794	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Washington	Washington	West Virginia	West Virginia	Wisconsin	Wisconsin
Item	Puget Sound Power & Light Co.	Washington Water Power Co.	Monongahela Power Co.	Wheeling Power Co.	Consolidated Water Power Co.	Madison Gas & Electric Co.
Maintenance Expenses						
Supervision and Engineering	217	201	0	0	3	0
Structures	264	245	0	0	67	0
Reservoirs, Dams, and Waterways	531	948	0	0	393	0
Electric Plant	405	948	0	0	551	0
Miscellaneous Hydraulic Plant	44	29	0	0	14	0
Total Maintenance Expenses	1,922	2,423	0	0	1,025	0
Total Hydraulic Power Production Expenses	5,900	7,300	0	0	1,819	0
Other Power						
Operation Expenses						
Supervision and Engineering	213	0	0	0	0	2
Line	18,306	1,245	0	0	0	186
Automation Expenses	75	41	0	0	0	15
Miscellaneous Other Power Expenses	40	5	0	0	0	240
Rents	1,290	0	0	0	0	491
Total Operation Expenses	22,287	1,290	0	0	0	935
Maintenance Expenses						
Supervision and Engineering	4	1	0	0	0	2
Structures	13	78	0	0	0	0
Generating and Electric Plant	600	47	0	0	0	51
Miscellaneous Other Power Plant	100	70	0	0	0	2
Total Maintenance Expenses	681	51	0	0	0	55
Total Other Power Production Expenses	22,968	1,342	0	0	0	991
Other Power Supply Expenses						
Purchased Power	199,240	55,322	152,244	63,408	28,809	4,201
System Operation and Dispatching	748	692	1,932	64	0	400
Other Expenses	1,431	1,483	1,236	0	0	254
Total Other Power Supply Expenses	201,417	57,496	159,411	63,471	28,909	4,855
Total Power Production Expenses	306,693	114,978	372,195	63,471	30,728	53,136
Transmission						
Operation Expenses						
Supervision and Engineering	1,570	300	511	123	0	149
Load Dispatching	455	256	377	117	215	68
Station Expenses	480	569	259	20	0	100
Overhead Line Expenses	76	77	126	15	3	15
Underground Line Expenses	3	0	0	0	0	3
Transmission of Electricity by Others	21,218	9,088	0	0	0	0
Miscellaneous Transmission Expenses	175	107	186	42	0	160
Rents	8	236	27	0	1	311
Total Operation Expenses	23,985	10,632	1,486	317	219	807

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Washington Puget Sound Power & Light Co.	Washington Water Power Co.	West Virginia Monongahela Power Co.	West Virginia Wheeling Power Co.	Wisconsin Consolidated Water Power Co.	Wisconsin Madison Gas & Electric Co.
Maintenance Expenses						
Supervision and Engineering	152	123	328	72	32	84
Structures	15	49	13	30	13	0
Station Equipment	883	624	1,054	289	75	438
Overhead Lines	2,016	419	2,645	182	37	187
Underground Lines	3	3	0	0	0	1
Miscellaneous Transmission Plant	5	15	31	0	0	3
Total Maintenance Expenses	3,074	1,232	4,071	573	157	712
Total Transmission Expenses	27,059	11,864	5,557	889	377	1,520
Distribution						
Operation Expenses						
Supervision and Engineering	2,702	368	1,010	317	0	475
Load Dispatching	1,615	181	541	0	0	30
Station Expenses	917	772	622	12	0	53
Overhead Line Expenses	531	692	832	19	9	221
Underground Line Expenses	2,076	414	17	22	0	44
Street Lighting and Signal System Expenses	434	113	88	33	3	70
Meter Expenses	1,402	429	669	240	3	440
Customer Installations Expenses	1,480	379	643	79	6	145
Miscellaneous Distribution Expenses	3,268	688	1,320	444	0	1,530
Rents	44	34	470	35	0	320
Total Operation Expenses	14,487	4,070	6,211	1,261	20	3,329
Maintenance Expenses						
Supervision and Engineering	580	298	709	374	32	221
Structures	26	22	37	16	0	0
Station Equipment	1,411	676	1,298	207	0	128
Overhead Lines	15,343	3,369	17,529	1,792	26	1,642
Underground Lines	5,371	971	89	143	0	188
Line Transformers	1,880	411	306	74	2	133
Street Lighting and Signal Systems	443	228	244	35	0	23
Meters	36	134	182	90	8	25
Miscellaneous Distribution Plant	307	41	449	17	0	83
Total Maintenance Expenses	25,397	6,150	20,844	2,749	68	2,442
Total Distribution Expenses	39,884	10,220	27,055	4,010	88	5,772
Customer Accounts Expenses						
Supervision	1,714	551	378	112	0	79
Meter Reading Expenses	2,692	1,608	1,690	289	12	447
Customer Records and Collection Expenses	12,839	6,377	4,383	727	0	2,315
Uncollectible Accounts	3,165	953	1,034	60	4	653
Miscellaneous Customer Accounts Expenses	204	114	164	69	0	504
Total Customer Accounts Expenses	20,615	9,603	7,650	1,257	16	3,998
Customer Service and Information Expenses						
Supervision	373	29	610	58	0	58
Customer Assistance Expenses	14,263	4,973	1,868	269	0	1,511
Informational and Instructional Expenses	450	167	507	73	0	256
Miscellaneous Customer Service and Information Expenses	641	30	120	106	0	362
Total Customer Service and Informational Expenses	15,730	5,198	3,104	505	0	2,187

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Washington Puget Sound Power & Light Co	Washington Washington Water Power Co	West Virginia Monongahela Power Co	West Virginia Wheeling Power Co	Wisconsin Consolidated Water Power Co	Wisconsin Madison Gas & Electric Co
Sales Expenses						
Supervision	0	5	0	0	0	14
Demonstrating and Selling Expenses	0	1,035	0	4	0	89
Advertising Expenses	0	17	0	79	0	0
Miscellaneous Sales Expenses	0	0	0	35	0	49
Total Sales Expenses	0	1,058	0	117	0	152
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	17,706	6,709	5,498	973	155	3,412
Office Supplies and Expenses	5,599	2,470	879	469	15	812
(less) Administrative Expenses Transferred (credit)	85	4	763	12	0	79
Outside Services Employed	3,031	1,218	6,127	69	342	462
Property Insurance	2,406	408	1,495	5	30	1,062
Injuries And Damages	3,790	2,721	2,540	514	26	620
Employee Pensions And Benefits	8,404	1,497	4,693	583	0	1,762
Franchise Requirements	21	606	0	12	0	0
Regulatory Commission Expenses	1,712	1,785	1,433	9	441	224
(less) Duplicate Charges (credit)	21	0	204	0	0	14
General Advertising Expenses	312	0	124	235	0	31
Miscellaneous General Expenses	6,478	1,969	645	106	40	2,987
Rents	2,880	1,858	617	0	0	137
Total Operation Expenses	52,234	21,239	23,084	2,964	1,050	11,416
Maintenance of General Plant	3,403	1,411	915	381	52	432
Total Administrative and General Expenses	55,636	22,649	24,000	3,345	1,102	11,848
Total Electric Operation and Maintenance Expenses	465,616	175,570	439,559	73,594	32,312	78,613
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	5,349	5,873	16,287	0	438	3,094
Transmission	2,740	1,250	1,463	279	291	494
Distribution	17,090	5,968	11,410	2,062	59	2,322
Customer Accounts	11,471	3,853	3,901	796	11	1,201
Customer Service and Informational Expenses	1,614	482	1,708	278	0	955
Sales Expenses	0	593	0	3	0	37
Administrative and General	19,639	7,055	6,896	664	167	726
Allocated from Clearing Accounts	1,328	871	1,509	131	246	5,309
Total Salaries and Wages	59,231	25,945	43,273	4,214	1,212	14,136
Number of Electric Department Employees						
Regular Full-time Employees	2,422	76	1,524	160	28	519
Part-time and Temporary Employees	89	472	16	0	0	29
Total Electric Department Employees	2,511	548	1,540	160	28	548

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas&Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
Power Production Expenses						
Steam Power						
Operation Expenses						
Supervision and Engineering	197	0	0	16	3,883	871
Fuel	3,220	0	0	-4	255,031	117,685
Steam Expenses	652	0	0	5	11,885	3,754
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	5,295	0
Electric Expenses	354	0	0	2	5,082	1,642
Miscellaneous Steam Power Expenses	376	0	0	24	13,847	2,797
Rents	14	0	409	0	0	0
Total Operation Expenses	4,813	0	409	43	284,434	126,759
Maintenance Expenses						
Supervision and Engineering	150	0	0	12	7,612	1,086
Structures	167	0	0	11	6,773	427
Boiler Plant	2,269	0	0	44	42,126	5,614
Electric Plant	906	0	0	15	21,652	2,203
Miscellaneous Steam Plant	167	0	0	0	3,857	1,228
Total Maintenance Expenses	3,658	0	0	82	82,021	11,558
Total Steam Power Production Expenses	8,472	0	409	125	366,455	138,308
Nuclear Power						
Operation Expenses						
Supervision and Engineering	0	0	0	0	8,555	3,934
Fuel	0	0	0	0	34,045	8,655
Coolants and Water	0	0	0	0	1,635	22
Steam Expenses	0	0	0	0	9,429	2,483
Steam from Other Sources	0	0	0	0	0	0
(less) Steam Transferred (credit)	0	0	0	0	0	0
Electric Expenses	0	0	0	0	1,900	671
Miscellaneous Nuclear Power Expenses	0	0	0	0	15,285	7,566
Rents	0	0	89	0	0	684
Total Operation Expenses	0	0	89	0	70,848	24,022
Maintenance Expenses						
Supervision and Engineering	0	0	0	0	943	1,303
Structures	0	0	0	0	1,591	279
Reactor Plant Equipment	0	0	0	0	7,834	5,540
Electric Plant	0	0	0	0	4,771	1,086
Miscellaneous Nuclear Plant	0	0	0	0	1,279	511
Total Maintenance Expenses	0	0	0	0	16,418	8,719
Total Nuclear Power Production Expenses	0	0	89	0	87,265	32,741
Hydraulic Power						
Operation Expenses						
Supervision and Engineering	424	6	2	0	501	110
Water for Power	883	0	56	0	0	356
Hydraulic Expenses	553	44	3	0	2	17
Electric Expenses	719	42	6	0	236	251
Miscellaneous Hydraulic Expenses	696	11	24	0	502	170
Rents	74	0	7	0	2	0
Total Operation Expenses	3,350	103	98	0	1,242	905

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas&Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
Maintenance Expenses						
Supervision and Engineering	430	16	2	0	190	111
Structures	275	0	3	0	141	61
Reservoirs, Dams and Waterways	2,459	12	11	0	364	272
Electric Plant	970	26	12	0	1,081	117
Miscellaneous Hydraulic Plant	263	0	0	0	377	53
Total Maintenance Expenses	4,397	55	28	0	2,153	614
Total Hydraulic Power Production Expenses	7,747	158	125	0	3,395	1,519
Other Power						
Operation Expenses						
Supervision and Engineering	38	1	0	0	31	44
Fuel	742	26	0	0	998	722
Generation Expenses	72	25	0	0	234	9
Miscellaneous Other Power Expenses	195	11	0	0	66	176
Rents	1	0	13	0	0	0
Total Operation Expenses	1,048	67	13	0	1,328	951
Maintenance Expenses						
Supervision and Engineering	46	9	0	0	80	7
Structures	0	2	0	0	11	3
Generating and Electric Plant	286	24	0	0	168	57
Miscellaneous Other Power Plant	60	0	0	0	78	0
Total Maintenance Expenses	391	36	0	0	336	67
Total Other Power Production Expenses	1,440	103	13	0	1,664	1,018
Other Power Supply Expenses						
Purchased Power	0	3,188	3,673	16,250	31,387	30,205
System Control and Load Dispatching	236	18	0	9	872	625
Other Expenses	156,023	0	0	0	484	-759
Total Other Power Supply Expenses	156,259	3,206	3,673	16,259	32,743	30,071
Total Power Production Expenses	173,917	3,467	4,310	16,384	491,523	203,657
Transmission						
Operation Expenses						
Supervision and Engineering	362	9	0	0	935	780
Load Dispatching	618	1	0	0	2,050	370
Station Expenses	670	16	0	3	464	412
Overhead Line Expenses	184	7	0	3	325	142
Underground Line Expenses	0	0	0	0	29	0
Transmission of Electricity by Others	0	0	0	0	0	291
Miscellaneous Transmission Expenses	11,336	0	0	0	368	637
Rents	613	0	133	8	30	281
Total Operation Expenses	13,783	33	133	15	4,201	2,913

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas&Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
Maintenance Expenses						
Supervision and Engineering	212	4	0	0	468	176
Structures	4	0	0	0	27	11
Station Equipment	603	6	0	22	1,938	900
Overhead Lines	972	9	0	11	1,645	1,859
Underground Lines	0	0	0	0	272	7
Miscellaneous Transmission Plant	0	0	0	0	368	176
Total Maintenance Expenses	1,791	20	0	32	4,718	3,128
Total Transmission Expenses	15,574	54	133	47	8,919	6,041
Distribution						
Operation Expenses						
Supervision and Engineering	619	12	0	23	10,530	1,351
Load Dispatching	339	0	0	0	4,151	175
Station Expenses	552	2	0	37	3,306	413
Overhead Line Expenses	1,738	223	0	69	3,351	518
Underground Line Expenses	521	47	0	1	5,005	375
Street Lighting and Signal System Expenses	101	7	0	14	553	0
Meter Expenses	726	40	0	166	3,290	1,046
Customer Installations Expenses	142	1	0	58	2,039	533
Miscellaneous Distribution Expenses	1,696	62	74	73	9,777	5,089
Rents	177	1	38	10	291	243
Total Operation Expenses	6,613	394	112	452	42,292	9,744
Maintenance Expenses						
Supervision and Engineering	415	6	0	14	1,627	577
Structures	11	0	0	0	216	7
Station Equipment	491	1	0	20	3,214	419
Overhead Lines	7,343	143	0	146	21,273	8,175
Underground Lines	699	30	0	27	3,895	403
Line Transformers	271	11	0	1	587	150
Street Lighting and Signal Systems	119	1	0	10	1,022	291
Meters	158	1	0	3	386	223
Miscellaneous Distribution Plant	63	1	112	2	1,419	548
Total Maintenance Expenses	9,569	193	112	223	33,640	10,793
Total Distribution Expenses	16,182	587	224	674	75,932	20,536
Customer Accounts Expenses						
Supervision	593	5	0	22	738	473
Meter Reading Expenses	1,683	175	0	81	4,732	2,381
Customer Records and Collection Expenses	2,673	170	0	213	13,750	10,749
Uncollectible Accounts	772	10	25	133	6,392	717
Miscellaneous Customer Accounts Expenses	180	0	212	20	248	5
Total Customer Accounts Expenses	5,901	219	237	469	25,861	14,324
Customer Service and Information Expenses						
Supervision	176	0	0	36	1,063	376
Customer Assistance Expenses	3,853	0	0	96	30,690	11,132
Informational and Instructional Expenses	132	2	0	25	2,332	58
Miscellaneous Customer Service and Information Expenses	149	0	237	153	179	365
Total Customer Service and Information Expenses	4,310	2	237	310	34,264	11,931

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas&Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
Sales Expenses						
Supervision	10	0	0	0	0	1
Demonstrating and Selling Expenses	371	0	0	0	6	137
Advertising Expenses	5	0	0	0	198	3
Miscellaneous Sales Expenses	0	0	0	0	8	0
Total Sales Expenses	386	0	0	0	212	142
Administrative and General Expenses						
Operation Expenses						
Administrative and General Salaries	5,846	111	16	626	22,182	15,907
Office Supplies and Expenses	1,434	14	0	130	11,431	4,215
(less) Administrative Expenses Transferred (credit)	776	14	0	46	357	0
Outside Services Employed	485	29	0	76	3,162	1,430
Property Insurance	228	23	0	36	4,452	2,048
Injuries And Damages	2,120	219	0	63	4,674	2,416
Employee Pensions And Benefits	4,785	96	0	380	20,824	3,457
Franchise Requirements	0	0	0	97	0	0
Regulatory Commission Expenses	320	6	1	27	1,666	570
(less) Duplicate Charges (credit)	213	0	0	0	2,482	2,340
General Advertising Expenses	175	7	0	17	167	296
Miscellaneous General Expenses	1,396	15	690	64	9,096	-77
Rent's	182	0	0	0	23	2,743
Total Operation Expenses	15,981	506	707	1,490	74,838	30,664
Maintenance of General Plant	250	9	0	3	4,281	2,342
Total Administrative and General Expenses	16,230	515	707	1,493	79,119	33,006
Total Electric Operation and Maintenance Expenses	232,500	4,924	5,848	19,377	715,831	289,538
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance						
Production	6,671	0	0	83	56,110	18,756
Transmission	1,630	0	0	6	1,559	2,545
Distribution	7,848	0	0	460	33,057	13,052
Customer Accounts	3,100	0	0	242	12,218	5,262
Customer Service and Informational Expenses	868	0	0	130	7,776	3,203
Sales Expenses	236	0	0	0	0	110
Administrative and General	5,852	0	0	662	24,189	16,023
Allocated from Clearing Accounts	1,510	0	0	81	28,623	3,485
Total Salaries and Wages	27,715	0	0	1,665	163,532	62,436
Number of Electric Department Employees						
Regular Full-time Employees	741	48	0	26	4,681	2,133
Part-time and Temporary Employees	101	1	0	35	188	0
Total Electric Department Employees	842	49	0	61	4,869	2,133

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Wisconsin	Wisconsin
Item	Wisconsin Public Service Corp	Wisconsin River Power Co
Power Production Expenses		
Steam Power		
Operation Expenses		
Supervision and Engineering	2,916	0
Fuel	126,760	0
Steam Expenses	5,417	0
Steam from Other Sources	0	0
(less) Steam Transferred (credit)	0	0
Electric Expenses	1,988	0
Miscellaneous Steam Power Expenses	3,064	0
Rents	541	0
Total Operation Expenses	140,685	0
Maintenance Expenses		
Supervision and Engineering	1,210	0
Structures	689	0
Boiler Plant	8,083	0
Electric Plant	4,096	0
Miscellaneous Steam Plant	824	0
Total Maintenance Expenses	14,901	0
Total Steam Power Production Expenses	155,586	0
Nuclear Power		
Operation Expenses		
Supervision and Engineering	4,021	0
Fuel	7,412	0
Coolants and Water	22	0
Steam Expenses	2,618	0
Steam from Other Sources	0	0
(less) Steam Transferred (credit)	0	0
Electric Expenses	664	0
Miscellaneous Nuclear Power Expenses	4,382	0
Rents	689	0
Total Operation Expenses	19,809	0
Maintenance Expenses		
Supervision and Engineering	1,278	0
Structures	278	0
Reactor Plant Equipment	5,598	0
Electric Plant	1,088	0
Miscellaneous Nuclear Plant	237	0
Total Maintenance Expenses	8,480	0
Total Nuclear Power Production Expenses	28,288	0
Hydraulic Power		
Operation Expenses		
Supervision and Engineering	344	65
Water for Power	392	242
Hydraulic Expenses	160	16
Electric Expenses	124	20
Miscellaneous Hydraulic Expenses	337	75
Rents	0	0
Total Operation Expenses	1,356	418

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp	Wisconsin River Power Co
Maintenance Expenses		
Supervision and Engineering	154	0
Structures	39	31
Reservoirs, Dams and Waterways	570	78
Electric Plant	535	278
Miscellaneous Hydraulic Plant	52	75
Total Maintenance Expenses	1,350	462
Total Hydraulic Power Production Expenses	2,707	880
Other Power		
Operation Expenses		
Supervision and Engineering	110	0
Fuel	547	0
Generation Expenses	27	0
Miscellaneous Other Power Expenses	21	0
Rents	0	0
Total Operation Expenses	704	0
Maintenance Expenses		
Supervision and Engineering	23	0
Structures	7	0
Generating and Electric Plant	230	0
Miscellaneous Other Power Plant	7	0
Total Maintenance Expenses	267	0
Total Other Power Production Expenses	971	0
Other Power Supply Expenses		
Purchased Power	31,125	0
System Control and Load Dispatching	1,206	0
Other Expenses	2,978	0
Total Other Power Supply Expenses	35,310	0
Total Power Production Expenses	222,862	880
Transmission		
Operation Expenses		
Supervision and Engineering	484	0
Load Dispatching	136	0
Station Expenses	248	0
Overhead Line Expenses	217	0
Underground Line Expenses	0	0
Transmission of Electricity by Others	0	0
Miscellaneous Transmission Expenses	1,005	0
Rents	881	0
Total Operation Expenses	2,971	0

See endnotes at end of an individual electric utility.

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp	Wisconsin River Power Co
Maintenance Expenses		
Supervision and Engineering	321	0
Structures	0	0
Station Equipment	1,114	6
Overhead Lines	863	0
Underground Lines	0	0
Miscellaneous Transmission Plant	98	0
Total Maintenance Expenses	2,397	6
Total Transmission Expenses	5,368	6
Distribution		
Operation Expenses		
Supervision and Engineering	2,117	0
Load Dispatching	121	0
Station Expenses	191	0
Overhead Line Expenses	1,294	0
Underground Line Expenses	533	0
Street Lighting and Signal System Expenses	61	0
Meter Expenses	962	0
Customer Installations Expenses	359	0
Miscellaneous Distribution Expenses	3,335	0
Rents	254	0
Total Operation Expenses	9,248	0
Maintenance Expenses		
Supervision and Engineering	1,094	0
Structures	0	0
Station Equipment	367	0
Overhead Lines	9,809	0
Underground Lines	817	0
Line Transformers	267	0
Street Lighting and Signal Systems	269	0
Meters	116	0
Miscellaneous Distribution Plant	66	0
Total Maintenance Expenses	12,806	0
Total Distribution Expenses	22,053	0
Customer Accounts Expenses		
Supervision	320	0
Meter Reading Expenses	2,126	0
Customer Records and Collection Expenses	6,800	0
Uncollectible Accounts	799	0
Miscellaneous Customer Accounts Expenses	183	0
Total Customer Accounts Expenses	10,227	0
Customer Service and Information Expenses		
Supervision	1,091	0
Customer Assistance Expenses	3,580	0
Informational and Instructional Expenses	1,001	0
Miscellaneous Customer Service and Informational Expenses	719	0
Total Customer Service and Informational Expenses	6,390	0

See endnotes at end of an individual electric utility

Table 40. Electric Operation and Maintenance Expenses by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

	Wisconsin	Wisconsin
Item	Wisconsin Public Service Corp	Wisconsin River Power Co
Sales Expenses		
Supervision	52	0
Demonstrating and Selling Expenses	86	0
Advertising Expenses	220	0
Miscellaneous Sales Expenses	25	0
Total Sales Expenses	383	0
Administrative and General Expenses		
Operation Expenses		
Administrative and General Salaries	5,422	0
Office Supplies and Expenses	2,263	6
(less) Administrative Expenses		
Transferred (credit)	0	0
Outside Services Employed	2,930	552
Property Insurance	2,115	22
Injuries And Damages	2,172	89
Employee Pensions And Benefits	8,072	14
Franchise Requirements	0	0
Regulatory Commission Expenses	892	141
(less) Duplicate Charges (credit)	708	0
General Advertising Expenses	218	0
Miscellaneous General Expenses	2,883	10
Rents	7	0
Total Operation Expenses	26,264	834
Maintenance of General Plant	669	10
Total Administrative and General Expenses	26,934	844
Total Electric Operation and Maintenance Expenses	294,217	1,730
Distribution of Salaries and Wages Charged to Electric Operation and Maintenance		
Production	28,872	137
Transmission	2,175	0
Distribution	9,180	0
Customer Accounts	4,974	0
Customer Service and Informational Expenses	2,845	0
Sales Expenses	112	0
Administrative and General	6,624	0
Allocated from Clearing Accounts	5,872	52
Total Salaries and Wages	60,654	189
Number of Electric Department Employees		
Regular Full-time Employees	2,043	6
Part-time and Temporary Employees	0	0
Total Electric Department Employees	2,043	6

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989**
(Thousand Dollars)

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Electric Utility Plant						
Utility Plant in Service	8,226,702	236,207	6,151,231	328,669	1,319,782	3,998,517
Nuclear Fuel	805,951	0	251,364	0	0	168,115
Leased to Others	0	0	0	0	0	0
Held for Future Use	8,776	0	62,425	0	1,380	7,948
Construction Work in Progress	557,150	4,698	203,623	944	846,020	90,125
Acquisition Adjustments	5,328	0	0	128,519	3,125	434
Total Electric Utility Plant	9,603,906	240,905	6,668,643	458,132	2,170,306	4,265,139
Accumulated Provisions for Depreciation and Amortization	3,116,701	124,194	1,499,914	118,696	477,195	1,218,703
Net Electric Utility Plant	6,487,205	116,710	5,168,729	339,437	1,693,111	3,046,436
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Gas Utility Plant	0	0	0	0	0	0
Other Utility Plant						
Utility Plant in Service	20,083	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	72	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	20,155	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	7,154	0	0	0	0	0
Net Other Utility Plant	13,001	0	0	0	0	0
Total Utility Plant						
Utility Plant in Service	8,246,785	236,207	6,151,231	328,669	1,319,782	3,998,517
Nuclear Fuel	805,951	0	251,364	0	0	168,115
Leased to Others	0	0	0	0	0	0
Held for Future Use	8,776	0	62,425	0	1,380	7,948
Construction Work in Progress	557,221	4,698	203,623	944	846,020	90,125
Acquisition Adjustments	5,328	0	0	128,519	3,125	434
Total Utility Plant	9,624,061	240,905	6,668,643	458,132	2,170,306	4,265,139
Accumulated Provisions for Depreciation and Amortization	3,123,855	124,194	1,499,914	118,696	477,195	1,218,703
Net Total Utility Plant	6,500,206	116,710	5,168,729	339,437	1,693,111	3,046,436
Intangible Plant						
Organization	342	16	74	0	29	33
Franchises and Consents	0	0	584	0	148	58
Miscellaneous Intangible Plant	0	0	89,661	0	0	40,419
Total Intangible Plant	342	16	90,318	0	177	40,511
Steam Production Plant						
Land and Land Rights	6,490	415	3,371	2,702	808	3,020
Structures and Improvements	433,950	25,365	122,207	88,175	33,103	96,890
Boiler Plant Equipment	1,324,321	130,430	791,418	141,229	282,675	509,152
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	424,443	42,577	190,901	56,971	98,549	213,552
Accessory Electric Equipment	197,885	15,461	164,143	17,155	28,585	61,979
Miscellaneous Power Plant Equipment	41,057	2,665	29,529	2,515	8,969	13,659
Total Steam Production Plant	2,428,146	216,912	1,301,568	310,747	452,689	898,251

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Nuclear Production Plant						
Land and Land Rights	1,454	0	3,409	0	0	1,050
Structures and Improvements	444,963	0	626,604	0	0	264,443
Reactor Plant Equipment	767,255	0	1,000,408	0	0	532,876
Turbogenerator Units	307,758	0	355,584	0	0	194,099
Accessory Electric Equipment	213,511	0	282,931	0	0	174,124
Miscellaneous Power Plant Equipment	51,936	0	104,003	0	0	91,327
Total Nuclear Production Plant	1,786,878	0	2,372,940	0	0	1,257,918
Hydraulic Production Plant						
Land and Land Rights	102,702	0	65	0	0	1,156
Structures and Improvements	97,973	0	75	0	0	1,350
Reservoirs, Dams and Waterways	391,140	0	770	0	0	4,829
Water Wheels, Turbines and Generators	154,050	0	157	0	0	1,878
Accessory Electric Equipment	31,361	0	176	0	0	525
Miscellaneous Power Plant Equipment	21,943	0	42	0	0	262
Roads, Railroads and Bldgs	4,732	0	49	0	0	0
Total Hydraulic Production Plant	803,901	0	1,333	0	0	10,000
Other Production Plant						
Land and Land Rights	0	0	28	0	402	108
Structures and Improvements	0	28	4,947	0	489	1,519
Fuel Holders, Producers and Accessories	0	126	17,037	0	80	310
Prime Movers	0	0	29,984	0	456	6,041
Generators	0	1,502	63,626	0	18,310	2,157
Accessory Electric Equipment	0	16	12,600	0	3,319	819
Miscellaneous Power Plant Equipment	0	1	2,590	0	518	37
Total Other Production Plant	0	1,674	130,813	0	23,574	10,991
Total Production Plant	5,018,924	218,586	3,806,654	310,747	476,263	2,177,161
Transmission Plant						
Land and Land Rights	65,754	627	31,142	0	17,928	41,027
Structures and Improvements	16,064	0	18,682	0	13,046	16,666
Station Equipment	288,549	5,425	253,424	0	152,302	200,047
Towers and Fixtures	123,635	4,764	84,530	0	123,803	127,647
Poles and Fixtures	178,343	0	101,800	0	9,876	66,999
Overhead Conductors and Devices	208,355	4,044	160,391	0	65,294	169,275
Underground Conduit	1,133	0	5,281	0	0	0
Underground Conductors and Devices	1,094	0	9,480	0	0	0
Roads and Trails	0	0	0	0	4,470	33
Total Transmission Plant	882,933	14,861	664,729	0	386,720	621,693
Distribution Plant						
Land and Land Rights	10,413	0	13,320	0	4,488	3,771
Structures and Improvements	14,547	0	12,142	0	2,743	7,437
Station Equipment	215,569	0	90,025	0	47,004	121,476
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	365,337	0	177,034	0	46,823	236,126
Overhead Conductors and Devices	311,635	0	127,677	0	60,182	151,048
Underground Conduit	11,619	0	46,135	0	23,985	21,320
Underground Conductors and Devices	62,265	0	322,322	0	78,321	40,775
Line Transformers	380,089	0	263,650	0	78,684	193,949
Services	169,285	0	90,002	0	33,190	76,419
Meters	92,965	0	79,068	0	19,385	74,803
Installations on Customers Premises	0	0	9,844	0	0	13,052
Leased Property on Customers Premises	0	0	0	0	0	0
Street Lighting and Signal Systems	58,703	0	34,422	0	4,090	30,628
Total Distribution Plant	1,692,426	0	1,255,641	0	398,896	970,803

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Alabama	Alabama	Arizona	Arizona	Arizona	Arkansas
Item	Alabama Power Co	Southern Electric Generating Co	Arizona Public Service Co	Century Power Corp	Tucson Electric Power Co	Arkansas Power & Light Co
General Plant						
Land and Land Rights	13,248	0	8,622	0	738	1,786
Structures and Improvements	286,986	0	76,745	109	17,531	16,366
Office Furniture and Equipment	82,746	0	102,560	817	8,143	16,490
Transportation Equipment	106,815	0	26,602	631	11,657	293
Stores Equipment	5,857	0	1,306	351	1,109	627
Tools, Shop and Garage Equipment	8,763	0	11,241	1,506	2,801	2,859
Laboratory Equipment	10,101	0	795	504	1,540	5,804
Power Operated Equipment	2,386	0	45,424	273	1,747	1,129
Communication Equipment	79,702	0	49,345	539	12,062	20,243
Miscellaneous Equipment	17,634	513	1,248	1,472	397	115
Subtotal General Plant	614,236	513	323,888	6,203	57,726	65,712
Other Tangible Property	17,841	2,230	0	11,720	0	122,637
Total General Plant	632,077	2,743	323,888	17,923	57,726	188,349
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	8,226,702	236,207	6,151,231	328,669	1,319,782	3,998,517
Additions						
Intangible Plant	0	0	10,007	0	0	-39
Production Plant						
Steam Production Plant	629,146	26,688	14,369	9,396	9,977	718
Nuclear Production Plant	24,123	0	-1,320	0	0	48,120
Hydraulic Production Plant	14,914	0	7	0	0	130
Other Production Plant	0	0	2,310	0	1,511	0
Total Production Plant	668,184	26,688	15,366	9,396	10,488	48,968
Transmission Plant	44,937	337	41,436	0	2,834	11,461
Distribution Plant	130,597	0	127,568	0	22,526	58,969
General Plant	39,507	0	45,669	239	3,018	3,769
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	883,225	27,025	240,046	9,634	38,865	123,128
Retirements						
Intangible Plant	0	0	547	0	0	0
Production Plant						
Steam Production Plant	21,949	6,250	6,540	160	3,320	26
Nuclear Production Plant	6,339	0	1,445	0	0	1,213
Hydraulic Production Plant	616	0	0	0	0	3
Other Production Plant	0	0	238	0	211	5
Total Production Plant	28,904	6,250	8,223	160	3,531	1,247
Transmission Plant	5,168	1	1,572	0	423	500
Distribution Plant	24,708	0	10,270	0	5,364	8,912
General Plant	6,299	0	7,098	158	385	304
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	66,079	6,252	27,711	318	9,707	10,964

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	California	California	California	Colorado	Connecticut	Connecticut
	Pacific Gas & Electric Co.	Pacifi- c Gas & Electric Co.	Southern California Edison Co.	Public Service Co. of Colorado	Citywide Utilities Co.	Connecticut Light & Power Co.
Electric Utility Plant						
Utility Plant in Service	18,057,908	3,486,985	16,414,755	2,547,096	239,261	5,209,770
Nuclear Fuel	332,046	71,767	599,362	0	0	655,990
Leased to Others	0	0	0	0	0	0
Held for Future Use	7,492	255	17,659	113,293	0	159
Construction Work in Progress	396,172	106,880	593,620	76,926	4,871	295,182
Acquisition Adjustments	2,990	0	0	0	289	0
Total Electric Utility Plant	18,796,609	3,665,887	17,625,396	2,737,315	244,420	6,161,100
Accumulated Provisions for Depreciation and Amortization	5,318,756	1,121,674	8,297,650	932,902	74,070	1,935,595
Net Electric Utility Plant	13,477,853	2,544,213	12,327,746	1,804,413	170,350	4,225,505
Gas Utility Plant						
Utility Plant in Service	3,273,854	501,617	825	500,761	18,463	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	6	0	0	48	10	0
Construction Work in Progress	190,523	13,829	36	4,053	99	0
Acquisition Adjustments	0	0	0	175	0	0
Total Gas Utility Plant	3,464,383	515,445	861	505,038	18,571	0
Accumulated Provisions for Depreciation and Amortization	1,488,095	217,814	342	192,188	9,029	0
Net Gas Utility Plant	1,976,288	297,632	519	312,850	9,542	0
Other Utility Plant						
Utility Plant in Service	1,691,723	117,593	6,238	191,399	62,458	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	396	0	0	0	0	0
Construction Work in Progress	82,671	15,746	104	15,519	2,650	0
Acquisition Adjustments	0	0	0	0	79	0
Total Other Utility Plant	1,774,789	133,340	6,342	206,917	65,187	0
Accumulated Provisions for Depreciation and Amortization	606,335	25,204	2,333	108,200	12,359	0
Net Other Utility Plant	1,168,454	108,135	4,008	98,718	52,828	0
Total Utility Plant						
Utility Plant in Service	23,023,485	4,106,195	16,421,817	3,239,256	320,181	5,209,770
Nuclear Fuel	332,046	71,767	599,362	0	0	655,990
Leased to Others	0	0	0	0	0	0
Held for Future Use	7,894	255	17,659	113,341	10	159
Construction Work in Progress	669,365	136,455	593,760	96,498	7,619	295,182
Acquisition Adjustments	2,990	0	0	175	368	0
Total Utility Plant	24,035,782	4,314,672	17,632,599	3,449,271	328,179	6,161,100
Accumulated Provisions for Depreciation and Amortization	7,413,186	1,364,692	5,300,325	1,233,290	95,458	1,935,595
Net Total Utility Plant	16,622,595	2,949,980	12,332,274	2,215,981	232,720	4,225,505
Intangible Plant						
Organization	0	0	51	0	03	0
Franchises and Consents	34,290	203	62	304	76	250
Miscellaneous Intangible Plant	1,020	136	0	885	11	0
Total Intangible Plant	35,310	339	113	1,189	190	250
Steam Production Plant						
Land and Land Rights	10,103	6,821	17,812	14,703	377	1,484
Structures and Improvements	365,856	110,783	197,492	213,705	1,290	148,538
Boiler Plant Equipment	797,100	111,849	1,068,260	557,462	4,894	181,387
Engines and Engine Driven Generators	681	0	0	323	6	0
Turbogenerator Units	886,344	71,296	445,405	135,469	1,324	115,148
Accessory Electric Equipment	227,009	13,580	108,568	112,656	480	30,079
Miscellaneous Power Plant Equipment	47,048	5,619	86,610	14,663	157	13,295
Total Steam Production Plant	2,334,142	319,949	1,924,147	1,048,335	8,527	489,931

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	California	California	California	Colorado	Connecticut	Connecticut
Item	Pacific Gas & Electric Co.	San Diego Gas & Electric Co.	Southern California Edison Co.	Public Service Co. of Colorado	Citizens Utilities Co.	Connecticut Light & Power Co.
Nuclear Production Plant						
Land and Land Rights	15,989	50	1,411	0	0	2,615
Structures and Improvements	888,135	270,023	1,512,016	0	0	722,068
Reactor Plant Equipment	2,608,729	370,299	2,179,679	0	0	1,368,863
Turbogenerator Units	978,571	136,647	757,650	0	0	345,197
Accessory Electric Equipment	627,951	165,091	876,560	0	0	238,305
Miscellaneous Power Plant Equipment	419,750	184,539	382,397	0	0	31,914
Total Nuclear Production Plant	5,539,123	1,126,696	5,719,716	0	0	2,714,960
Hydraulic Production Plant						
Land and Land Rights	26,013	0	5,117	1,129	334	6,637
Structures and Improvements	287,211	0	82,283	7,617	174	22,572
Reservoirs, Dams and Waterways	1,292,293	0	327,155	27,006	838	76,000
Water Wheels, Turbines and Generators	347,733	0	77,654	13,582	808	38,314
Accessory Electric Equipment	104,291	0	40,803	3,576	72	8,055
Miscellaneous Power Plant Equipment	22,855	0	9,050	587	8	3,785
Roads, Railroads and Bridges	32,580	0	4,013	475	21	3,811
Total Hydraulic Production Plant	2,053,075	0	546,074	53,973	2,254	161,174
Other Production Plant						
Land and Land Rights	15	188	4,892	49	1,385	22
Structures and Improvements	5,732	1,734	38,305	298	714	4,086
Fuel Holders, Producers and Accessories	5,228	3,159	16,405	3,161	894	1,534
Prime Movers	974	0	175,189	0	17,709	20,128
Generators	54,881	37,127	97,684	16,844	1,904	6,544
Accessory Electric Equipment	3,210	693	43,597	655	1,742	3,583
Miscellaneous Power Plant Equipment	522	0	15,043	24	126	43
Total Other Production Plant	70,562	42,901	391,114	21,031	24,484	36,041
Total Production Plant	9,996,902	1,489,546	8,581,051	1,123,339	35,265	3,402,105
Transmission Plant						
Land and Land Rights	99,511	41,630	175,592	18,554	475	40,345
Structures and Improvements	50,070	16,708	91,592	5,183	307	11,542
Station Equipment	793,374	170,998	1,042,828	96,667	20,827	191,724
Towers and Fixtures	293,617	89,617	391,187	54,519	121	27,840
Poles and Fixtures	122,842	42,077	138,880	50,310	11,021	84,469
Overhead Conductors and Devices	373,650	95,192	401,930	64,126	11,533	75,629
Underground Conduit	36,992	6,101	15,150	3,755	0	2,304
Underground Conductors and Devices	28,527	9,030	38,198	5,087	14	14,523
Roads and Trails	6,117	7,968	20,993	65	154	4,475
Total Transmission Plant	1,804,700	479,322	2,316,349	298,265	44,452	452,851
Distribution Plant						
Land and Land Rights	82,168	41,803	69,785	5,876	462	8,069
Structures and Improvements	71,102	6,803	185,138	9,290	460	7,992
Station Equipment	513,585	78,775	487,314	110,971	13,441	125,493
Storage Battery Equipment	24	0	0	0	0	0
Poles, Towers and Fixtures	299,448	140,113	408,940	115,433	36,458	139,696
Overhead Conductors and Devices	727,807	97,979	442,630	97,472	31,881	236,459
Underground Conduit	572,572	262,138	418,174	45,000	3,817	83,464
Underground Conductors and Devices	965,866	292,644	834,023	267,642	10,137	188,379
Line Transformers	1,085,469	186,870	926,374	174,288	25,488	234,714
Services	437,174	132,805	387,084	123,954	8,512	102,006
Meters	280,474	68,270	260,258	76,853	6,858	61,791
Installations on Customers Premises	24,318	3,813	0	6,161	11	5,212
Leased Property on Customers Premises	1,123	0	0	0	0	4,131
Street Lighting and Signal Systems	117,879	18,085	232,075	71,087	2,455	26,562
Total Distribution Plant	6,179,109	1,331,098	4,652,696	1,104,024	139,981	1,227,967

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	California Pacific Gas & Electric Co	California San Diego Gas & Electric Co	California Southern California Edison Co	Colorado Public Service Co of Colorado	Connecticut Citizens Utilities Co	Connecticut Connecticut Light & Power Co
General Plant						
Land and Land Rights	341	423	18,742	1,644	316	2,382
Structures and Improvements	4,888	9,501	286,775	6,900	5,056	60,657
Office Furniture and Equipment	594	0	212,719	1,305	6,787	13,065
Transportation Equipment	0	420	16,122	0	4,270	8,494
Stores Equipment	0	96	6,867	161	273	3,483
Tools, Shop and Garage Equipment	29,560	4,081	25,284	3,566	915	7,949
Laboratory Equipment	4,974	1,043	23,131	2,862	524	4,475
Power Operated Equipment	170	214	4,412	0	324	1,391
Communication Equipment	11,516	43,664	229,831	3,495	747	12,134
Miscellaneous Equipment	22,684	436	5,145	94	160	1,090
Subtotal General Plant	74,727	59,877	829,029	20,028	19,371	115,120
Other Tangible Property	3	126,803	0	0	1	11,476
Total General Plant	74,730	186,680	829,029	20,028	19,372	126,596
Electric Plant Purchased and Sold (net)	-32,843	0	0	251	0	0
Experimental Electric Plant Unclassified	0	0	25,517	0	0	0
Total Electric Utility Plant in Service	18,057,908	3,486,985	16,414,755	2,547,096	239,261	5,209,770
Additions						
Intangible Plant	9,895	136	0	0	0	0
Production Plant						
Steam Production Plant	88,517	6,333	42,438	38,376	125	27,154
Nuclear Production Plant	65,271	18,627	72,779	78,862	0	52,720
Hydraulic Production Plant	54,365	0	15,867	46	11	978
Other Production Plant	1,723	205	1,547	0	12,925	1,989
Total Production Plant	209,876	25,166	132,631	117,283	13,061	82,841
Transmission Plant	120,358	6,044	186,988	7,041	8,365	6,215
Distribution Plant	594,557	113,946	444,250	53,458	14,528	89,017
General Plant	6,978	832	77,858	1,749	2,007	9,390
Electric Plant Purchased	0	0	0	251	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	18,392	0	0	0
Total Electric Plant Additions	941,664	146,124	860,118	179,782	37,960	187,460
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	46,278	347	11,027	10,958	3	1,898
Nuclear Production Plant	17,628	0	8,059	-316	0	3,583
Hydraulic Production Plant	916	0	350	41	0	191
Other Production Plant	0	326	1,231	0	0	395
Total Production Plant	64,821	673	20,666	10,683	3	6,068
Transmission Plant	6,523	469	8,098	783	533	566
Distribution Plant	49,132	5,801	53,218	7,960	607	18,823
General Plant	36	185	23,310	254	312	-166
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	-26,049	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	146,562	7,129	105,292	19,681	1,454	25,291

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Electric Utility Plant						
Utility Plant in Service	332,329	2,509	884,537	2,019,227	4,013,609	10,964,598
Nuclear Fuel	401,426	0	68,183	60,251	0	475,422
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	1,773	328	4,223	48,376
Construction Work in Progress	10,076	6	757,599	40,626	250,782	299,705
Acquisition Adjustments	0	0	0	2,725	336	0
Total Electric Utility Plant	743,830	2,515	1,732,091	2,123,157	4,268,950	11,788,101
Accumulated Provisions for Depreciation and Amortization	429,658	1,341	329,992	692,088	1,172,954	4,030,991
Net Electric Utility Plant	314,173	1,175	1,402,098	1,431,069	3,095,996	7,757,110
Gas Utility Plant						
Utility Plant in Service	0	0	0	121,920	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	988	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	122,909	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	39,852	0	0
Net Gas Utility Plant	0	0	0	83,057	0	0
Other Utility Plant						
Utility Plant in Service	0	0	0	134,312	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	2,798	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	137,110	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	63,259	0	0
Net Other Utility Plant	0	0	0	73,852	0	0
Total Utility Plant						
Utility Plant in Service	332,329	2,509	884,537	2,275,460	4,013,609	10,964,598
Nuclear Fuel	401,426	0	68,183	60,251	0	475,422
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	1,773	328	4,223	48,376
Construction Work in Progress	10,076	6	757,599	44,413	250,782	299,705
Acquisition Adjustments	0	0	0	2,725	336	0
Total Utility Plant	743,830	2,515	1,732,091	2,383,176	4,268,950	11,788,101
Accumulated Provisions for Depreciation and Amortization	429,658	1,341	329,992	795,198	1,172,954	4,030,991
Net Total Utility Plant	314,173	1,175	1,402,098	1,587,978	3,095,996	7,757,110
Intangible Plant						
Organization	42	0	0	0	0	125
Franchises and Consents	3	0	0	3	0	125
Miscellaneous Intangible Plant	0	0	0	7,658	0	4,403
Total Intangible Plant	46	0	0	7,661	0	4,653
Steam Production Plant						
Land and Land Rights	0	0	9,464	9,129	4,649	21,040
Structures and Improvements	0	0	65,798	122,289	185,947	477,674
Boiler Plant Equipment	0	0	186,315	390,384	859,731	952,033
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	0	0	62,066	157,543	336,739	423,558
Accessory Electric Equipment	0	0	23,424	54,307	106,429	151,017
Miscellaneous Power Plant Equipment	0	0	4,647	39,867	15,523	31,247
Total Steam Production Plant	0	0	351,713	773,519	1,519,018	2,056,570

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Deimarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
Nuclear Production Plant						
Land and Land Rights	562	0	13	22	0	14,246
Structures and Improvements	63,799	0	54,042	60,034	0	835,996
Reactor Plant Equipment	146,965	0	45,653	126,698	0	1,305,346
Turbogenerator Units	52,039	0	17,660	42,552	0	399,555
Accessory Electric Equipment	32,865	0	12,089	36,445	0	357,692
Miscellaneous Power Plant Equipment	25,627	0	2,885	9,503	0	116,570
Total Nuclear Production Plant	321,856	0	132,342	275,254	0	3,029,405
Hydraulic Production Plant						
Land and Land Rights	0	0	0	0	0	0
Structures and Improvements	0	0	0	0	0	0
Reservoirs, Dams and Waterways	0	0	0	0	0	0
Water Wheels, Turbines and Generators	0	0	0	0	0	0
Accessory Electric Equipment	0	0	0	0	0	0
Miscellaneous Power Plant Equipment	0	0	0	0	0	0
Roads, Railroads and Bridges	0	0	0	0	0	0
Total Hydraulic Production Plant	0	0	0	0	0	0
Other Production Plant						
Land and Land Rights	0	0	0	780	1,515	1
Structures and Improvements	0	0	14	9,440	889	40,583
Fuel Holders, Producers and Accessories	0	0	160	50,471	3,115	18,228
Prime Movers	0	0	1,036	601	0	124,656
Generators	0	0	302	16,238	52,315	79,059
Accessory Electric Equipment	0	0	216	449	7,925	30,510
Miscellaneous Power Plant Equipment	0	0	1	607	131	3,916
Total Other Production Plant	0	0	1,730	78,593	65,889	296,952
Total Production Plant	321,856	0	485,786	1,127,366	1,584,907	5,382,927
Transmission Plant						
Land and Land Rights	5	222	5,180	31,514	20,479	114,009
Structures and Improvements	262	0	1,700	5,085	9,455	27,518
Station Equipment	8,905	0	36,565	110,257	191,899	493,292
Towers and Fixtures	0	147	3,626	63,971	68,027	217,718
Poles and Fixtures	0	199	11,264	29,503	21	249,516
Overhead Conductors and Devices	0	362	14,155	49,158	29,856	293,031
Underground Conduit	0	0	2,011	59	43,710	26,301
Underground Conductors and Devices	0	0	4,644	6,274	36,672	28,280
Roads and Trails	0	0	0	715	3,856	41,635
Total Transmission Plant	9,172	930	79,147	296,546	403,974	1,491,300
Distribution Plant						
Land and Land Rights	0	37	2,385	5,153	14,155	12,748
Structures and Improvements	0	57	6,316	5,015	66,518	29,767
Station Equipment	0	1,262	21,425	79,674	229,075	437,879
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	0	13	32,490	55,227	71,409	316,178
Overhead Conductors and Devices	0	22	48,134	62,560	91,603	484,637
Underground Conduit	0	50	20,085	11,851	408,970	273,294
Underground Conductors and Devices	0	113	26,713	97,961	346,683	600,389
Line Transformers	0	2	56,003	102,623	282,674	676,698
Services	0	1	11,087	52,936	173,819	257,753
Meters	0	19	22,021	38,598	67,791	254,826
Installations on Customers Premises	0	0	1,502	7,153	3,129	40,561
Leased Property on Customers Premises	0	0	5,766	0	0	0
Street Lighting and Signal Systems	0	0	10,569	19,369	16,557	139,824
Total Distribution Plant	0	1,575	264,495	538,119	1,772,384	3,524,552

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Connecticut Connecticut Yankee Atom Power Co	Connecticut Holyoke Power & Electric Co	Connecticut United Illuminating Co	Delaware Delmarva Power & Light Co	District of Columbia Potomac Electric Power Co	Florida Florida Power & Light Co
General Plant						
Land and Land Rights	0	0	550	1,348	4,453	22,709
Structures and Improvements	0	0	10,659	18,047	79,521	204,238
Office Furniture and Equipment	1,204	0	5,659	10,478	53,336	104,695
Transportation Equipment	50	0	485	290	37,069	143,341
Stores Equipment	0	0	175	858	2,134	7,369
Tools, Shop and Garage Equipment	0	0	1,514	5,677	11,286	14,429
Laboratory Equipment	0	0	1,211	1,777	5,349	16,562
Power Operated Equipment	0	0	0	537	283	5,779
Communication Equipment	0	4	1,100	8,998	57,157	37,739
Miscellaneous Equipment	0	0	1,309	268	1,758	4,305
Subtotal General Plant	1,254	4	22,662	48,278	252,344	561,165
Other Tangible Property	0	0	32,446	1,258	0	0
Total General Plant	1,254	4	55,108	49,536	252,344	561,165
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	332,329	2,509	884,537	2,019,227	4,013,609	10,964,598
Additions						
Intangible Plant	0	0	0	0	0	1,006
Production Plant						
Steam Production Plant	0	0	8,810	64,974	52,100	93,035
Nuclear Production Plant	45,739	0	1,279	11,584	0	113,160
Hydraulic Production Plant	0	0	0	0	0	0
Other Production Plant	0	0	0	58,686	794	4,396
Total Production Plant	45,739	0	10,089	135,244	52,894	210,590
Transmission Plant	96	73	3,558	8,608	6,730	53,373
Distribution Plant	0	0	19,777	47,403	140,002	355,447
General Plant	86	0	3,267	15,668	21,682	128,706
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	45,921	73	36,691	206,924	221,307	749,121
Retirements						
Intangible Plant	0	0	0	352	0	0
Production Plant						
Steam Production Plant	0	0	1,031	1,592	5,842	19,513
Nuclear Production Plant	1,291	0	41	1,696	0	20,923
Hydraulic Production Plant	0	0	0	0	0	0
Other Production Plant	0	0	0	546	-15	1,553
Total Production Plant	1,291	0	1,073	3,834	5,827	41,989
Transmission Plant	0	0	912	830	659	4,543
Distribution Plant	0	0	4,614	4,549	11,566	32,336
General Plant	6	0	1,913	407	1,705	26,240
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	1,298	0	8,512	9,973	19,757	105,109

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Florida	Florida	Florida	Georgia	Georgia	Hawai
Item	Florida Power Corp	Gulf Power Co	Tampa Electric Co	Georgia Power Co	Savannah Electric & Power Co	Hawaiian Electric Co Inc
Electric Utility Plant						
Utility Plant in Service	4,122,926	1,424,266	2,233,202	13,225,085	541,716	950,177
Nuclear Fuel	296,146	0	0	457,788	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	33,834	4,351	33,154	29,090	665	762
Construction Work in Progress	124,751	10,166	15,718	403,365	2,880	56,203
Acquisition Adjustments	0	8,155	0	46,529	0	0
Total Electric Utility Plant	4,577,656	1,446,938	2,282,073	14,161,856	545,260	1,007,143
Accumulated Provisions for Depreciation and Amortization	1,579,520	464,944	689,123	2,955,468	198,228	357,575
Net Electric Utility Plant	2,998,136	981,994	1,592,950	11,206,388	347,032	649,568
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Gas Utility Plant	0	0	0	0	0	0
Other Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Other Utility Plant	0	0	0	0	0	0
Total Utility Plant						
Utility Plant in Service	4,122,926	1,424,266	2,233,202	13,225,085	541,716	950,177
Nuclear Fuel	296,146	0	0	457,788	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	33,834	4,351	33,154	29,090	665	762
Construction Work in Progress	124,751	10,166	15,718	403,365	2,880	56,203
Acquisition Adjustments	0	8,155	0	46,529	0	0
Total Utility Plant	4,577,656	1,446,938	2,282,073	14,161,856	545,260	1,007,143
Accumulated Provisions for Depreciation and Amortization	1,579,520	464,944	689,123	2,955,468	198,228	357,575
Net Total Utility Plant	2,998,136	981,994	1,592,950	11,206,388	347,032	649,568
Intangible Plant						
Organization	0	7	0	214	1,988	0
Franchises and Consents	0	1	0	70	0	0
Miscellaneous Intangible Plant	416	0	14,461	22,808	2,909	0
Total Intangible Plant	416	8	14,461	23,093	4,897	0
Steam Production Plant						
Land and Land Rights	6,725	6,494	6,064	13,866	1,019	6,449
Structures and Improvements	250,222	148,860	192,302	477,143	32,190	57,506
Boiler Plant Equipment	704,813	410,581	654,645	1,724,007	130,388	148,336
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	351,523	155,382	234,747	645,465	40,222	86,714
Accessory Electric Equipment	127,147	60,834	115,190	204,762	28,257	20,509
Miscellaneous Power Plant Equipment	12,604	21,198	25,317	125,679	5,737	13,609
Total Steam Production Plant	1,453,034	803,349	1,228,264	3,190,922	237,813	333,123

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Florida Florida Power Corp	Florida Gulf Power Co	Florida Tampa Electric Co	Georgia Georgia Power Co	Georgia Savannah Electric & Power Co	Hawaii Hawaiian Electric Co Inc
Nuclear Production Plant						
Land and Land Rights	51	0	0	1,180	0	0
Structures and Improvements	159,813	0	0	1,467,136	0	0
Reactor Plant Equipment	173,260	0	0	1,797,414	0	0
Turbogenerator Units	74,975	0	0	510,798	0	0
Accessory Electric Equipment	106,974	0	0	359,156	0	0
Miscellaneous Power Plant Equipment	13,156	0	0	333,993	0	0
Total Nuclear Production Plant	528,229	0	0	4,469,676	0	0
Hydraulic Production Plant						
Land and Land Rights	0	0	0	33,610	0	0
Structures and Improvements	0	0	0	64,594	0	0
Reservoirs, Dams and Waterways	0	0	0	167,657	0	0
Water Wheels, Turbines and Generators	0	0	0	112,278	0	0
Accessory Electric Equipment	0	0	0	18,023	0	0
Miscellaneous Power Plant Equipment	0	0	0	13,122	0	0
Roads, Railroads and Bridges	0	0	0	1,950	0	0
Total Hydraulic Production Plant	0	0	0	411,235	0	0
Other Production Plant						
Land and Land Rights	2,082	0	834	38	0	38
Structures and Improvements	9,528	768	1,559	3,647	132	696
Fuel Holders, Producers and Accessories	14,114	208	1,151	9,449	170	1,004
Prime Movers	84,813	87	0	66,324	4,266	6,442
Generators	29,214	3,003	16,062	23,627	432	4,916
Accessory Electric Equipment	14,652	127	2,108	10,315	165	2,054
Miscellaneous Power Plant Equipment	917	4	19	837	10	391
Total Other Production Plant	155,321	4,197	21,734	114,236	5,176	15,541
Total Production Plant	2,136,584	807,545	1,249,998	8,186,069	242,988	348,664
Transmission Plant						
Land and Land Rights	30,781	9,956	9,202	108,106	932	4,749
Structures and Improvements	12,571	3,381	865	33,644	1,600	3,808
Station Equipment	220,052	42,968	71,405	498,079	34,190	65,784
Towers and Fixtures	68,837	22,031	4,300	304,427	5,202	13,662
Poles and Fixtures	105,192	20,255	37,931	176,019	19,145	46,449
Overhead Conductors and Devices	122,293	22,256	41,254	307,059	10,254	31,231
Underground Conduit	6,885	0	695	2,806	523	3,413
Underground Conductors and Devices	9,055	13,028	917	1,206	454	7,645
Roads and Trails	1,679	52	1,539	138	0	1,388
Total Transmission Plant	577,345	133,926	168,109	1,431,485	72,300	178,134
Distribution Plant						
Land and Land Rights	5,688	1,031	3,446	21,573	2,956	5,835
Structures and Improvements	11,164	8,548	577	26,953	460	8,222
Station Equipment	179,982	76,448	75,401	393,008	34,489	31,501
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	176,436	50,376	74,519	334,426	32,331	39,281
Overhead Conductors and Devices	180,285	61,160	103,066	375,001	43,291	40,070
Underground Conduit	42,503	1,014	42,805	116,689	7,315	46,474
Underground Conductors and Devices	98,534	19,522	55,570	366,223	22,313	76,785
Line Transformers	223,684	84,329	137,586	648,107	29,123	54,647
Services	150,503	42,025	54,422	314,434	11,165	49,791
Meters	82,699	19,198	32,594	163,398	11,733	15,105
Installations on Customers Premises	2,646	0	0	0	0	0
Leased Property on Customers Premises	0	0	0	172	0	0
Street Lighting and Signal Systems	79,079	11,872	38,557	103,025	9,434	0
Total Distribution Plant	1,233,301	375,521	618,543	2,863,010	204,611	367,711

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Florida Power Corp	Florida Gulf Power Co	Florida Tampa Electric Co	Georgia Power Co	Georgia Savannah Electric & Power Co	Hawaii Hawaiian Electric Co Inc
General Plant						
Land and Land Rights	5,153	6,659	2,685	38,067	357	1,893
Structures and Improvements	49,873	51,003	41,870	263,359	6,056	16,630
Office Furniture and Equipment	25,381	16,328	38,053	46,847	2,105	6,307
Transportation Equipment	55,098	14,987	28,018	172,930	2,942	9,501
Stores Equipment	2,106	2,217	810	1,092	330	570
Tools, Shop and Garage Equipment	6,420	2,554	2,910	31,450	959	2,947
Laboratory Equipment	4,032	2,680	2,305	22,359	895	1,615
Power Operated Equipment	1,614	385	859	23,398	368	137
Communication Equipment	22,977	8,415	65,275	116,336	2,677	15,455
Miscellaneous Equipment	2,619	2,036	306	5,587	232	613
Subtotal General Plant	175,271	107,265	182,091	721,427	16,920	55,667
Other Tangible Property	0	0	0	0	0	0
Total General Plant	175,271	107,265	182,091	721,427	16,920	55,667
Electric Plant Purchased and Sold (net)	8	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	4,122,926	1,424,236	2,233,202	13,225,085	541,716	950,177
Additions						
Intangible Plant	416	0	1,434	14,254	530	0
Production Plant						
Steam Production Plant	14,364	26,414	14,726	688,202	1,471	9,158
Nuclear Production Plant	15,401	0	0	1,097,946	0	0
Hydraulic Production Plant	0	0	0	3,461	0	0
Other Production Plant	328	45	22	891	0	214
Total Production Plant	30,093	26,459	14,747	1,790,499	1,471	9,372
Transmission Plant	17,494	21,313	10,196	20,632	716	17,953
Distribution Plant	112,127	36,530	53,166	300,833	13,544	26,162
General Plant	22,074	5,282	49,537	68,816	1,030	7,901
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	192,203	89,584	129,080	2,295,034	17,290	61,389
Retirements						
Intangible Plant	0	0	169	0	0	0
Production Plant						
Steam Production Plant	3,837	9,627	1,551	7,697	54	1,185
Nuclear Production Plant	3,145	0	0	6,161	0	0
Hydraulic Production Plant	0	0	0	50	0	0
Other Production Plant	127	0	0	224	0	0
Total Production Plant	7,109	9,627	1,551	14,132	54	1,185
Transmission Plant	1,775	418	1,125	10,477	17	372
Distribution Plant	22,565	4,460	15,750	38,129	1,267	2,125
General Plant	4,571	1,546	22,912	12,799	289	2,797
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	36,018	16,051	41,507	75,537	1,628	6,479

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Hawaii Maui Electric Co Ltd	Idaho Idaho Power Co	Illinois Central Illinois Light Co	Illinois Central Illinois Pub Serv Co	Illinois Commonwealth Edison Co	Illinois Electric Energy Inc
Electric Utility Plant						
Utility Plant in Service	188,305	1,950,660	943,602	1,887,194	22,320,048	205,085
Nuclear Fuel	0	0	0	0	1,380,301	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	24	3,511	1,177	1,363	392,178	0
Construction Work in Progress	4,628	21,425	6,722	17,178	740,419	5,453
Acquisition Adjustments	1,348	0	12,462	0	0	0
Total Electric Utility Plant	194,304	1,975,596	963,963	1,905,735	24,832,946	210,538
Accumulated Provisions for Depreciation and Amortization	67,435	548,846	370,981	720,365	6,777,874	201,282
Net Electric Utility Plant	126,869	1,426,750	592,982	1,185,371	18,055,072	9,256
Gas Utility Plant						
Utility Plant in Service	0	0	269,439	157,586	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	41	0	0
Construction Work in Progress	0	0	1,485	670	0	0
Acquisition Adjustments	0	0	6,206	0	0	0
Total Gas Utility Plant	0	0	277,130	158,297	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	120,330	68,049	0	0
Net Gas Utility Plant	0	0	156,800	90,247	0	0
Other Utility Plant						
Utility Plant in Service	0	0	31,875	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	16	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	31,890	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	6,611	0	0	0
Net Other Utility Plant	0	0	25,279	0	0	0
Total Utility Plant						
Utility Plant in Service	188,305	1,950,660	1,244,916	2,044,780	22,320,048	205,085
Nuclear Fuel	0	0	0	0	1,380,301	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	24	3,511	1,177	1,404	392,178	0
Construction Work in Progress	4,628	21,425	8,223	17,848	740,419	5,453
Acquisition Adjustments	1,348	0	18,668	0	0	0
Total Utility Plant	194,304	1,975,596	1,272,984	2,064,032	24,832,946	210,538
Accumulated Provisions for Depreciation and Amortization	67,435	548,846	497,922	788,414	6,777,874	201,282
Net Total Utility Plant	126,869	1,426,750	775,062	1,275,618	18,055,072	9,256
Intangible Plant						
Organization	0	6	17	51	80	55
Franchises and Consents	2	1,867	1	1	0	1
Miscellaneous Intangible Plant	0	2,604	615	0	0	0
Total Intangible Plant	2	4,478	634	52	80	57
Steam Production Plant						
Land and Land Rights	124	1,275	7,326	8,545	23,927	100
Structures and Improvements	2,504	125,952	151,629	192,700	566,370	41,015
Boiler Plant Equipment	12,444	385,589	211,158	676,305	1,375,253	89,255
Engines and Engine Driven Generators	1,918	0	0	0	0	0
Turbogenerator Units	2,742	94,210	56,657	167,237	412,294	42,615
Accessory Electric Equipment	1,577	62,388	15,776	72,626	212,630	13,082
Miscellaneous Power Plant Equipment	2,237	7,193	5,481	19,768	39,270	3,614
Total Steam Production Plant	23,546	676,607	448,027	1,137,181	2,629,743	189,680

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Hawaii	Idaho	Illinois	Illinois	Illinois	Illinois
Item	Mau Electric Co Ltd	Idaho Power Co	Central Illinois Light Co	Central Illinois Pub Serv Co	Commonwealth Edison Co	Electric Energy Inc
Nuclear Production Plant						
Land and Land Rights	0	0	0	0	20,594	0
Structures and Improvements	0	0	0	0	2,821,072	0
Reactor Plant Equipment	0	0	0	0	7,157,101	0
Turbogenerator Units	0	0	0	0	2,105,721	0
Accessory Electric Equipment	0	0	0	0	1,573,858	0
Miscellaneous Power Plant Equipment	0	0	0	0	181,230	0
Total Nuclear Production Plant	0	0	0	0	13,859,575	0
Hydraulic Production Plant						
Land and Land Rights	0	12,934	0	0	398	0
Structures and Improvements	0	67,432	0	0	125	0
Reservoirs, Dams and Waterways	0	201,750	0	0	495	0
Water Wheels, Turbines and Generators	0	112,034	0	0	254	0
Accessory Electric Equipment	0	13,688	0	0	49	0
Miscellaneous Power Plant Equipment	0	7,992	0	0	21	0
Roads, Railroads and Bridges	0	2,371	0	0	0	0
Total Hydraulic Production Plant	0	418,201	0	0	1,341	0
Other Production Plant						
Land and Land Rights	740	56	76	0	1,532	0
Structures and Improvements	4,812	194	2,037	0	3,193	0
Fuel Holders, Producers and Accessories	995	537	0	0	5,148	0
Prime Movers	15,879	2,986	0	0	0	0
Generators	30,274	1,950	3,110	244	112,654	0
Accessory Electric Equipment	3,266	474	948	24	8,614	0
Miscellaneous Power Plant Equipment	2,375	326	135	0	591	0
Total Other Production Plant	59,341	6,522	6,306	267	131,732	0
Total Production Plant	82,867	1,101,331	454,333	1,137,449	16,622,391	189,680
Transmission Plant						
Land and Land Rights	341	6,516	6,001	15,128	118,844	74
Structures and Improvements	552	15,477	2,633	4,662	95,158	334
Station Equipment	7,086	106,221	37,002	131,423	857,944	9,208
Towers and Fixtures	39	51,276	19,457	12,949	206,491	4,285
Poles and Fixtures	5,623	46,081	6,901	58,475	151,343	324
Overhead Conductors and Devices	4,552	74,959	10,673	77,748	199,103	1,077
Underground Conduit	0	0	264	0	77,908	0
Underground Conductors and Devices	0	0	792	363	100,351	0
Roads and Trails	0	287	29	0	587	0
Total Transmission Plant	18,192	300,817	83,752	300,749	1,807,729	15,302
Distribution Plant						
Land and Land Rights	368	1,148	5,702	1,137	7,351	0
Structures and Improvements	928	10,889	3,960	683	8,338	0
Station Equipment	9,318	68,929	53,192	55,815	385,321	0
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	11,955	90,645	72,671	74,056	384,794	0
Overhead Conductors and Devices	12,803	58,114	66,575	61,259	569,536	0
Underground Conduit	1,464	8,209	27,981	155	315,379	0
Underground Conductors and Devices	14,434	33,293	51,369	18,297	700,424	0
Line Transformers	13,474	138,363	53,408	93,812	563,189	0
Services	6,220	20,652	27,361	22,597	375,727	0
Meters	3,413	21,322	15,864	26,697	190,443	2
Installations on Customers Premises	0	1,532	0	49	14,216	0
Leased Property on Customers Premises	0	0	0	0	21	0
Street Lighting and Signal Systems	3,828	2,981	5,440	17,933	26,231	0
Total Distribution Plant	78,205	457,077	383,522	372,490	3,540,971	2

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Hawaii	Idaho	Illinois	Illinois	Illinois	Illinois
Item	Maui Electric Co. Ltd.	Idaho Power Co.	Central Illinois Light Co.	Central Illinois Pub. Serv. Co.	Commonwealth Edison Co.	Electric Energy Inc.
General Plant						
Land and Land Rights	138	3,613	105	1,337	4,331	0
Structures and Improvements	2,198	23,373	5,629	17,635	106,899	0
Office Furniture and Equipment	645	18,647	1,872	13,559	24,753	0
Transportation Equipment	2,421	19,911	3,243	19,034	94,847	0
Stores Equipment	85	675	147	1,167	1,860	0
Tools, Shop and Garage Equipment	342	1,919	1,455	3,951	24,457	0
Laboratory Equipment	584	3,601	1,246	3,339	6,062	0
Power Operated Equipment	195	6,451	7,286	105	3,917	0
Communication Equipment	2,339	7,958	305	16,310	57,111	45
Miscellaneous Equipment	72	811	75	18	472	0
Subtotal General Plant	9,200	86,959	21,362	76,454	324,710	45
Other Tangible Property	0	0	0	0	24,166	0
Total General Plant	9,020	86,959	21,362	76,454	348,876	45
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	188,305	1,950,660	943,602	1,887,194	22,320,048	205,085
Additions						
Intangible Plant	0	52	0	0	0	0
Production Plant						
Steam Production Plant	112	3,989	4,210	12,244	59,140	3,515
Nuclear Production Plant	0	0	0	0	79,779	0
Hydraulic Production Plant	0	5,643	0	0	0	0
Other Production Plant	9,229	0	131	0	172	0
Total Production Plant	9,341	9,632	4,341	12,244	139,092	3,515
Transmission Plant	985	8,459	965	16,507	48,105	0
Distribution Plant	7,602	28,536	22,666	20,364	251,655	0
General Plant	675	5,314	1,379	5,046	38,148	0
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	18,605	51,993	29,351	54,161	477,000	3,515
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	1	733	3,367	3,679	77,386	2,205
Nuclear Production Plant	0	0	0	0	4,903	0
Hydraulic Production Plant	0	630	0	0	0	0
Other Production Plant	0	0	0	0	62	0
Total Production Plant	1	1,362	3,368	3,679	82,351	2,205
Transmission Plant	21	432	10	2,400	2,149	0
Distribution Plant	575	3,673	3,736	2,620	25,231	0
General Plant	89	1,398	729	1,605	6,907	0
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	685	6,865	7,843	10,304	116,639	2,205

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Illinois	Illinois	Indiana	Indiana	Indiana	Indiana
Item	Illinois Power Co	Mt Carmel Public Utility Co	Alcoa Generating Corp	AEP Generating Co	Commonwealth Edison Co of Indiana Inc	Indiana Michigan Power Co
Electric Utility Plant						
Utility Plant in Service	5,291,973	9,558	140,581	617,465	166,033	3,743,994
Nuclear Fuel	185,264	0	0	0	0	90,195
Leased to Others	0	0	0	0	0	0
Held for Future Use	8,663	0	0	1,163	0	8,881
Construction Work in Progress	58,749	0	2,381	1,943	4,611	52,572
Acquisition Adjustments	1,932	0	0	0	0	474
Total Electric Utility Plant	5,548,581	9,558	142,961	620,571	170,645	3,896,116
Accumulated Provisions for Depreciation and Amortization	1,219,462	5,091	95,577	99,356	105,823	1,269,930
Net Electric Utility Plant	4,329,118	4,467	47,384	521,215	64,822	2,626,186
Gas Utility Plant						
Utility Plant in Service	440,813	2,736	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	54	0	0	0	0	0
Construction Work in Progress	6,597	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	447,464	2,736	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	169,969	1,638	0	0	0	0
Net Gas Utility Plant	277,495	1,098	0	0	0	0
Other Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Other Utility Plant	0	0	0	0	0	0
Total Utility Plant						
Utility Plant in Service	5,732,786	12,295	140,581	617,465	166,033	3,743,994
Nuclear Fuel	185,264	0	0	0	0	90,195
Leased to Others	0	0	0	0	0	0
Held for Future Use	8,716	0	0	1,163	0	8,881
Construction Work in Progress	65,346	0	2,381	1,943	4,611	52,572
Acquisition Adjustments	3,932	0	0	0	0	474
Total Utility Plant	5,996,045	12,295	142,961	620,571	170,645	3,896,116
Accumulated Provisions for Depreciation and Amortization	1,389,431	6,729	95,577	99,356	105,823	1,269,930
Net Total Utility Plant	4,606,614	5,565	47,384	521,215	64,822	2,626,186
Intangible Plant						
Organization	575	0	0	64	16	85
Franchises and Consents	48	0	0	0	0	0
Miscellaneous Intangible Plant	0	0	0	0	0	0
Total Intangible Plant	623	0	0	64	16	85
Steam Production Plant						
Land and Land Rights	5,226	5	147	6,445	1,195	7,861
Structures and Improvements	160,657	207	11,828	85,054	48,862	138,409
Boiler Plant Equipment	401,507	0	76,757	367,100	53,073	647,276
Engines and Engine Driven Generators	0	0	0	0	0	-478
Turbogenerator Units	153,189	0	27,218	83,651	26,408	148,372
Accessory Electric Equipment	49,666	0	8,900	57,607	12,357	82,836
Miscellaneous Power Plant Equipment	19,099	0	11,394	16,147	2,679	22,764
Total Steam Production Plant	789,344	212	136,244	616,304	144,575	1,047,039

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Illinois Illinois Power Co.	Illinois Mt. Carmel Public Utility Co.	Indiana Alcoa Generating Corp.	Indiana AEP Generating Co.	Indiana Commonwealth Edison Co. of Indiana Inc.	Indiana Indiana Michigan Power Co.
Nuclear Production Plant						
Land and Land Rights	11,754	0	0	0	0	1,813
Structures and Improvements	992,692	0	0	0	0	277,149
Reactor Plant Equipment	1,300,815	0	0	0	0	714,086
Turbogenerator Units	447,914	0	0	0	0	219,105
Accessory Electric Equipment	492,561	0	0	0	0	122,115
Miscellaneous Power Plant Equipment	88,332	0	0	0	0	60,146
Total Nuclear Production Plant	3,334,068	0	0	0	0	1,394,414
Hydraulic Production Plant						
Land and Land Rights	0	0	0	0	0	510
Structures and Improvements	0	0	0	0	0	202
Reservoirs, Dams and Waterways	0	0	0	0	0	9,015
Water Wheels, Turbines and Generators	0	0	0	0	0	2,950
Accessory Electric Equipment	0	0	0	0	0	1,773
Miscellaneous Power Plant Equipment	0	0	0	0	0	228
Roads, Railroads and Bridges	0	0	0	0	0	0
Total Hydraulic Production Plant	0	0	0	0	0	14,677
Other Production Plant						
Land and Land Rights	39	0	0	0	0	0
Structures and Improvements	651	0	0	0	0	2
Fuel Holders, Producers and Accessories	492	0	0	0	0	0
Prime Movers	0	0	0	0	0	0
Generators	16,887	0	0	0	0	158
Accessory Electric Equipment	1,300	0	0	0	0	8
Miscellaneous Power Plant Equipment	30	0	0	0	0	0
Total Other Production Plant	19,400	0	0	0	0	167
Total Production Plant	4,142,812	212	136,244	616,304	144,575	2,456,297
Transmission Plant						
Land and Land Rights	18,062	192	0	0	842	53,450
Structures and Improvements	4,943	1	0	0	598	16,017
Station Equipment	107,992	673	2,288	0	14,472	304,918
Towers and Fixtures	17,184	0	302	0	2,152	210,019
Poles and Fixtures	63,899	461	0	0	615	22,145
Overhead Conductors and Devices	63,374	474	1,746	0	1,432	165,782
Underground Conduit	0	0	0	0	298	1,466
Underground Conductors and Devices	0	0	0	0	370	3,967
Roads and Trails	0	0	0	0	0	8
Total Transmission Plant	275,455	1,800	4,337	0	20,779	777,782
Distribution Plant						
Land and Land Rights	6,933	14	0	0	0	3,825
Structures and Improvements	5,104	0	0	0	0	2,860
Station Equipment	95,873	943	0	0	0	47,648
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	135,252	1,694	0	0	0	68,852
Overhead Conductors and Devices	129,141	1,478	0	0	0	56,000
Underground Conduit	8,167	1	0	0	0	13,745
Underground Conductors and Devices	41,634	31	0	0	0	33,644
Line Transformers	150,010	1,269	0	0	0	103,598
Services	70,872	381	0	0	0	52,290
Meters	32,078	436	0	0	0	37,162
Installations on Customers Premises	0	5	0	0	0	7,768
Leased Property on Customers Premises	268	0	0	0	0	0
Street Lighting and Signal Systems	61,574	51	0	0	0	10,784
Total Distribution Plant	737,105	6,352	0	0	0	438,177

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Illinois Power Co	Illinois Mt Carmel Public Utility Co	Indiana Alcoa Generating Corp	Indiana AEP Generating Co	Indiana Commonwealth Edison Co of Indiana Inc	Indiana Indiana Michigan Power Co
General Plant						
Land and Land Rights	3,752	2	0	0	0	898
Structures and Improvements	69,132	337	0	0	0	14,837
Office Furniture and Equipment	19,901	228	0	268	83	3,589
Transportation Equipment	19,422	482	0	0	0	94
Stores Equipment	1,305	0	0	0	0	264
Tools, Shop and Garage Equipment	5,866	31	0	0	0	1,677
Laboratory Equipment	3,331	30	0	0	0	2,050
Power Operated Equipment	1,505	41	0	0	0	26
Communication Equipment	3,959	58	0	176	579	13,040
Miscellaneous Equipment	7,706	10	0	0	1	747
Subtotal General Plant	135,978	1,221	0	445	663	37,221
Other Tangible Property	0	-28	0	651	0	34,432
Total General Plant	135,978	1,194	0	1,096	663	71,653
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	5,291,973	9,558	140,581	617,465	166,033	3,743,994
Additions						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	3,589	0	7,819	36,756	6,783	47,101
Nuclear Production Plant	10,974	0	0	0	0	121,386
Hydraulic Production Plant	0	0	0	0	0	2,639
Other Production Plant	0	0	0	0	0	7
Total Production Plant	14,563	0	7,819	36,756	6,783	171,133
Transmission Plant	4,598	104	0	0	0	41,174
Distribution Plant	41,276	618	0	0	0	35,162
General Plant	21,155	239	0	136	13	8,026
Electric Plant Purchased	0	0	0	0	0	68
Electric Plant Sold	0	0	0	599,854	0	-600,987
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	81,593	961	7,819	-562,962	6,796	855,649
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	1,101	2,318	2,188	2,719	254	5,344
Nuclear Production Plant	12	0	0	0	0	32,439
Hydraulic Production Plant	0	0	0	0	0	269
Other Production Plant	1,338	0	0	0	0	0
Total Production Plant	2,452	2,318	2,188	2,719	254	38,053
Transmission Plant	144	0	8	0	1	1,353
Distribution Plant	8,656	34	0	0	0	6,103
General Plant	1,601	102	0	0	45	856
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	12,852	2,454	2,196	2,719	300	46,365

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Electric Utility Plant						
Utility Plant in Service	1,950,820	3,291,352	2,730,260	750,273	663,620	986,637
Nuclear Fuel	0	0	0	0	0	66,510
Leased to Others	0	0	0	0	0	0
Held for Future Use	15,772	3,387	2,481	2,313	611	836
Construction Work in Progress	45,881	69,507	78,716	10,869	9,405	27,980
Acquisition Adjustments	0	0	0	0	3,441	394
Total Electric Utility Plant	2,012,473	3,364,245	2,811,457	763,455	677,076	1,082,358
Accumulated Provisions for Depreciation and Amortization	619,777	1,034,990	1,143,461	267,122	265,026	399,692
Net Electric Utility Plant	1,392,696	2,329,256	1,667,996	496,332	412,050	682,665
Gas Utility Plant						
Utility Plant in Service	0	902,827	0	81,095	42,832	74,397
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	151	0	0	0	0
Construction Work in Progress	0	20,094	0	535	35	643
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	923,072	0	81,630	42,867	75,041
Accumulated Provisions for Depreciation and Amortization	0	302,926	0	31,650	15,442	28,990
Net Gas Utility Plant	0	620,146	0	49,980	27,425	46,050
Other Utility Plant						
Utility Plant in Service	68,170	239,330	0	10,657	0	34,827
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	28	0	43	0	0
Construction Work in Progress	6,293	11,447	0	2,635	0	2,516
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	74,463	250,805	0	13,335	0	37,343
Accumulated Provisions for Depreciation and Amortization	28,519	47,989	0	3,701	0	16,219
Net Other Utility Plant	45,944	202,816	0	9,634	0	21,125
Total Utility Plant						
Utility Plant in Service	2,018,990	4,433,509	2,730,260	842,025	706,452	1,095,862
Nuclear Fuel	0	0	0	0	0	66,510
Leased to Others	0	0	0	0	0	0
Held for Future Use	15,772	3,566	2,481	2,356	611	836
Construction Work in Progress	52,174	101,048	78,716	14,038	9,440	31,140
Acquisition Adjustments	0	0	0	0	3,441	394
Total Utility Plant	2,086,936	4,538,123	2,811,457	858,419	719,943	1,194,741
Accumulated Provisions for Depreciation and Amortization	648,295	1,385,905	1,143,461	302,473	280,468	444,901
Net Total Utility Plant	1,438,641	3,152,218	1,667,996	555,946	439,475	749,840
Intangible Plant						
Organization	46	0	226	12	34	0
Franchises and Consents	0	1	0	0	449	246
Miscellaneous Intangible Plant	5,406	0	2,108	0	5,151	4,891
Total Intangible Plant	5,452	1	2,333	12	5,634	5,137
Steam Production Plant						
Land and Land Rights	904	5,718	5,233	2,461	596	694
Structures and Improvements	176,217	441,962	297,444	49,527	53,403	29,562
Boiler Plant Equipment	741,454	1,021,806	743,726	296,233	186,671	83,469
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	193,873	354,230	238,167	102,240	51,875	29,044
Accessory Electric Equipment	92,700	195,071	93,662	34,136	26,263	12,531
Miscellaneous Power Plant Equipment	15,873	27,761	19,855	5,124	3,007	3,569
Total Steam Production Plant	1,221,029	2,046,547	1,398,107	489,722	321,814	158,870

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Nuclear Production Plant						
Land and Land Rights	0	0	0	0	0	1,308
Structures and Improvements	0	0	0	0	0	89,930
Reactor Plant Equipment	0	0	0	0	0	180,039
Turbogenerator Units	0	0	0	0	0	51,180
Accessory Electric Equipment	0	0	0	0	0	55,101
Miscellaneous Power Plant Equipment	0	0	0	0	0	23,501
Total Nuclear Production Plant	0	0	0	0	0	401,059
Hydraulic Production Plant						
Land and Land Rights	0	935	0	0	0	157
Structures and Improvements	0	521	2,415	0	0	131
Reservoirs, Dams and Waterways	0	4,167	11,259	0	0	470
Water Wheels, Turbines and Generators	0	3,579	5,568	0	0	123
Accessory Electric Equipment	0	137	699	0	0	20
Miscellaneous Power Plant Equipment	0	114	186	0	0	4
Roads, Railroads and Bridges	0	0	0	0	0	0
Total Hydraulic Production Plant	0	9,353	20,127	0	0	906
Other Production Plant						
Land and Land Rights	0	9	0	39	18	11
Structures and Improvements	0	2,217	180	69	184	475
Fuel Holders, Producers and Accessories	0	9,459	464	952	369	489
Prime Movers	0	21,380	3,622	11,636	2,728	1,047
Generators	6,911	6,290	6,525	4,673	1,666	21,355
Accessory Electric Equipment	0	1,859	1,868	756	475	104
Miscellaneous Power Plant Equipment	0	337	39	14	32	14
Total Other Production Plant	6,911	44,551	17,699	18,139	5,472	23,495
Total Production Plant	1,227,940	2,100,451	1,435,933	507,861	327,285	584,329
Transmission Plant						
Land and Land Rights	18,129	27,047	26,572	4,726	7,775	3,250
Structures and Improvements	3,226	15,079	6,999	1,331	1,627	1,887
Station Equipment	83,275	265,695	196,590	38,853	51,881	56,046
Towers and Fixtures	37,841	79,595	70,532	3,848	8,227	2,016
Poles and Fixtures	14,942	44,137	52,102	16,838	31,532	29,430
Overhead Conductors and Devices	38,202	94,426	103,562	17,578	31,846	42,211
Underground Conduit	980	643	0	997	0	0
Underground Conductors and Devices	1,207	449	0	602	22	0
Roads and Trails	0	70	0	0	0	0
Total Transmission Plant	197,803	527,141	56,358	84,774	132,909	134,840
Distribution Plant						
Land and Land Rights	2,265	1,480	3,207	572	640	995
Structures and Improvements	4,283	6,964	3,832	543	753	1,594
Station Equipment	68,512	103,610	92,768	22,881	24,214	29,763
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	43,568	104,145	146,222	20,143	43,190	48,169
Overhead Conductors and Devices	53,360	85,045	95,431	24,945	40,074	55,027
Underground Conduit	28,917	2,580	3,944	4,882	2,136	6,129
Underground Conductors and Devices	57,226	42,534	71,529	13,704	11,301	23,601
Line Transformers	82,236	108,046	164,810	30,943	25,841	44,700
Services	36,821	51,924	72,370	13,641	5,953	0
Meters	32,037	39,347	63,142	9,244	11,506	19,974
Installations on Customers Premises	14,891	1,838	8,769	1,198	3	1,928
Leased Property on Customers Premises	0	0	0	0	0	0
Street Lighting and Signal Systems	28,451	23,326	16,301	6,370	2,958	7,373
Total Distribution Plant	452,566	570,838	742,326	149,066	160,569	239,252

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
General Plant						
Land and Land Rights	1,969	419	2,247	77	766	221
Structures and Improvements	29,025	10,822	53,356	1,566	7,281	3,693
Office Furniture and Equipment	8,420	4,325	8,637	219	5,378	481
Transportation Equipment	11,923	9,095	1,420	4,424	6,065	9,420
Stores Equipment	857	1,395	770	1	314	0
Tools, Shop and Garage Equipment	6,491	13,277	2,549	359	626	3,472
Laboratory Equipment	3,499	9,865	4,235	1,067	1,095	0
Power Operated Equipment	1,898	20,871	497	581	3,387	424
Communication Equipment	1,799	21,079	16,504	176	3,708	5,369
Miscellaneous Equipment	1,178	1,772	3,094	90	407	0
Subtotal General Plant	67,060	92,920	93,309	8,561	29,037	23,080
Other Tangible Property	0	0	0	0	187	0
Total General Plant	67,060	92,920	93,309	8,561	29,223	23,080
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	1,950,820	3,291,352	2,730,260	710,273	663,620	986,637
Additions						
Intangible Plant	5,406	0	488	0	480	10
Production Plant						
Steam Production Plant	28,993	20,160	29,515	4,824	7,819	4,934
Nuclear Production Plant	0	0	0	0	0	18,104
Hydraulic Production Plant	0	262	0	0	0	13
Other Production Plant	0	533	24	0	26	33
Total Production Plant	28,993	20,955	29,538	4,824	7,845	23,084
Transmission Plant	4,473	4,771	13,606	2,221	1,967	5,804
Distribution Plant	29,524	29,981	56,103	9,214	8,903	14,760
General Plant	6,642	1,430	3,154	544	4,195	5,131
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	75,038	57,137	102,888	16,803	23,391	48,788
Retirements						
Intangible Plant	0	0	0	0	18	8
Production Plant						
Steam Production Plant	4,802	4,495	9,594	1,960	3,150	293
Nuclear Production Plant	0	0	0	0	0	352
Hydraulic Production Plant	0	15	0	0	0	0
Other Production Plant	0	39	21	0	9	2
Total Production Plant	4,802	4,549	9,615	1,960	3,159	648
Transmission Plant	998	914	847	471	488	1,199
Distribution Plant	3,885	2,848	8,657	2,116	2,038	1,359
General Plant	1,719	2,872	658	188	900	550
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	11,405	11,183	19,777	4,735	6,603	3,763

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa - Illinois Gas & Electric Co	Kansas Centel Corp	Kansas Gas & Electric Co
Electric Utility Plant						
Utility Plant in Service	1,032,178	832,302	332,861	1,116,559	419,996	2,375,144
Nuclear Fuel	0	0	0	139,532	0	82,646
Leased to Others	0	0	0	0	0	6,974
Held for Future Use	26,072	139	0	2,023	3,871	15,368
Construction Work in Progress	57,317	4,977	10,252	23,409	1,085	13,181
Acquisition Adjustments	0	0	216	0	0	0
Total Electric Utility Plant	1,115,566	837,419	343,329	1,281,523	424,952	2,493,314
Accumulated Provisions for Depreciation and Amortization	385,921	307,316	116,641	477,798	177,231	618,400
Net Electric Utility Plant	729,646	530,103	226,688	803,725	247,721	1,874,914
Gas Utility Plant						
Utility Plant in Service	0	312,920	23,142	203,210	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	4	0	15	0	0
Construction Work in Progress	0	1,748	30	95	0	0
Acquisition Adjustments	0	19,456	181	0	0	0
Total Gas Utility Plant	0	334,128	23,354	203,320	0	0
Accumulated Provisions for Depreciation and Amortization	0	119,775	7,662	94,250	0	0
Net Gas Utility Plant	0	214,352	15,692	109,070	0	0
Other Utility Plant						
Utility Plant in Service	0	58,002	22,057	47,089	28,652	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	2,086	69	4,412	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	60,088	22,126	51,501	28,652	0
Accumulated Provisions for Depreciation and Amortization	0	13,563	9,956	22,328	3,321	0
Net Other Utility Plant	0	46,525	12,170	29,173	25,331	0
Total Utility Plant						
Utility Plant in Service	1,032,178	1,203,225	378,060	1,366,858	448,647	2,375,144
Nuclear Fuel	0	0	0	139,532	0	82,646
Leased to Others	0	0	0	0	0	6,974
Held for Future Use	26,072	143	0	2,038	3,871	15,368
Construction Work in Progress	57,317	8,811	10,351	27,916	1,085	13,181
Acquisition Adjustments	0	19,456	398	0	0	0
Total Utility Plant	1,115,566	1,231,635	388,809	1,536,344	453,604	2,493,314
Accumulated Provisions for Depreciation and Amortization	385,921	440,654	134,259	594,376	180,552	618,400
Net Total Utility Plant	729,646	790,980	254,550	941,968	273,052	1,874,914
Intangible Plant						
Organization	21	0	0	0	36	45
Franchises and Consents	236	68	254	112	0	0
Miscellaneous Intangible Plant	597	359	0	1,028	0	0
Total Intangible Plant	854	427	264	1,141	36	45
Steam Production Plant						
Land and Land Rights	1,458	1,436	587	3,483	560	2,810
Structures and Improvements	105,609	70,834	32,889	113,790	27,246	69,583
Boiler Plant Equipment	254,795	245,491	99,859	274,553	72,569	255,913
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	72,988	69,943	33,012	82,107	28,391	86,404
Accessory Electric Equipment	39,082	38,110	14,221	44,730	8,841	29,473
Miscellaneous Power Plant Equipment	6,140	5,366	3,712	5,691	2,379	4,598
Total Steam Production Plant	480,073	431,181	184,280	524,353	139,985	448,782

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa Illinois Gas & Electric Co	Kansas Centel Corp	Kansas Gas & Electric Co
Nuclear Production Plant						
Land and Land Rights	0	0	0	362	0	3,410
Structures and Improvements	0	0	0	15,563	0	388,636
Reactor Plant Equipment	0	0	0	97,641	0	613,266
Turbogenerator Units	0	0	0	19,536	0	164,075
Accessory Electric Equipment	0	0	0	4,935	0	133,862
Miscellaneous Power Plant Equipment	0	0	0	3,202	0	55,058
Total Nuclear Production Plant	0	0	0	141,240	0	1,358,305
Hydraulic Production Plant						
Land and Land Rights	0	0	0	3	0	0
Structures and Improvements	0	0	0	87	0	0
Reservoirs, Dams and Waterways	0	0	0	424	0	0
Water Wheels, Turbines and Generators	0	0	0	374	0	0
Accessory Electric Equipment	0	0	0	103	0	0
Miscellaneous Power Plant Equipment	0	0	0	30	0	0
Roads, Railroads and Bridges	0	0	0	0	0	0
Total Hydraulic Production Plant	0	0	0	1,021	0	0
Other Production Plant						
Land and Land Rights	181	212	25	0	36	0
Structures and Improvements	721	1,175	0	147	164	0
Fuel Holders, Producers and Accessories	746	1,352	10	665	232	0
Prime Movers	16,995	11,967	0	0	0	0
Generators	4,217	10,089	395	9,131	10,247	0
Accessory Electric Equipment	1,156	986	117	566	505	0
Miscellaneous Power Plant Equipment	78	0	1	86	21	0
Total Other Production Plant	24,094	25,781	548	10,595	11,206	0
Total Production Plant	504,167	456,962	184,828	677,208	151,191	1,807,088
Transmission Plant						
Land and Land Rights	10,841	6,752	4,473	10,524	2,810	10,006
Structures and Improvements	2,476	2,092	213	1,699	1,757	3,020
Station Equipment	51,165	49,747	13,319	61,094	40,375	86,309
Towers and Fixtures	4,474	9,649	1,313	16,004	0	7,012
Poles and Fixtures	37,701	30,105	11,924	35,460	24,595	44,340
Overhead Conductors and Devices	29,236	30,166	16,698	31,258	25,499	43,168
Underground Conduit	27	0	0	0	0	416
Underground Conductors and Devices	2,858	0	0	319	0	455
Roads and Trails	0	0	0	15	0	20
Total Transmission Plant	138,778	128,511	47,940	156,372	95,036	194,746
Distribution Plant						
Land and Land Rights	890	820	222	1,838	244	1,012
Structures and Improvements	2,686	2,755	754	2,091	307	1,969
Station Equipment	30,369	43,005	14,370	66,309	21,040	32,034
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	60,965	30,189	19,766	37,440	36,415	54,163
Overhead Conductors and Devices	61,900	48,245	21,683	47,256	29,519	47,648
Underground Conduit	6,580	5,023	1,160	4,644	2,341	13,269
Underground Conductors and Devices	32,970	21,257	5,740	17,547	4,913	19,457
Line Transformers	67,766	29,695	20,970	48,732	29,801	78,588
Services	18,458	16,226	5,658	11,285	12,007	31,875
Meters	15,208	14,707	5,098	14,269	11,844	31,067
Installations on Customers Premises	1,513	2,513	1,713	2,644	741	1,012
Leased Property on Customers Premises	0	18	0	0	0	9
Street Lighting and Signal Systems	13,887	6,666	1,695	3,695	5,808	13,054
Total Distribution Plant	313,191	221,118	99,828	257,751	154,981	325,157

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Iowa Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa Iowa- Illinois Gas & Electric Co	Kansas Centel Corp	Kansas Kansas Gas & Electric Co
General Plant						
Land and Land Rights	1,668	210	0	113	568	881
Structures and Improvements	21,925	4,627	0	493	6,473	13,969
Office Furniture and Equipment	21,309	996	0	697	1,742	12,259
Transportation Equipment	16,472	12,416	0	16,803	6,899	5,424
Stores Equipment	724	383	0	908	234	275
Tools, Shop and Garage Equipment	1,610	1,916	0	1,421	625	931
Laboratory Equipment	1,270	1,673	0	1,680	883	1,363
Power Operated Equipment	1,730	1,973	0	279	487	899
Communication Equipment	8,345	511	0	1,516	819	11,959
Miscellaneous Equipment	135	579	0	178	22	149
Subtotal General Plant	75,188	25,285	0	24,088	18,751	48,108
Other Tangible Property	0	0	0	0	0	0
Total General Plant	75,188	25,285	0	24,088	18,751	48,108
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	1,032,178	832,302	332,861	1,116,559	419,996	2,375,144
Additions						
Intangible Plant	64	28	7	15	0	0
Production Plant						
Steam Production Plant	4,661	3,462	1,396	2,507	1,834	8,342
Nuclear Production Plant	0	0	0	3,203	0	4,678
Hydraulic Production Plant	0	0	0	2	0	0
Other Production Plant	0	250	32	10	3	0
Total Production Plant	4,661	3,712	1,428	5,721	1,837	13,019
Transmission Plant	3,815	3,699	150	8,751	4,638	1,807
Distribution Plant	21,331	9,380	5,876	11,385	9,115	16,512
General Plant	10,882	1,778	0	2,256	1,674	5,898
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	40,754	18,596	7,461	28,127	17,264	37,236
Retirements						
Intangible Plant	10	40	7	0	0	0
Production Plant						
Steam Production Plant	31	702	260	1,061	121	1,731
Nuclear Production Plant	0	0	0	800	0	91
Hydraulic Production Plant	0	0	0	0	0	0
Other Production Plant	0	34	1	0	1	0
Total Production Plant	31	736	262	1,861	122	1,822
Transmission Plant	841	560	190	463	604	156
Distribution Plant	1,406	1,822	1,085	2,393	1,031	2,907
General Plant	1,974	999	0	633	630	802
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	4,263	4,158	1,544	5,350	2,386	5,687

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
Electric Utility Plant						
Utility Plant in Service	1,592,646	677,639	1,736,976	1,290,284	14,566	130,967
Nuclear Fuel	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	9,832	8,037	0	1,136	0	0
Construction Work in Progress	8,112	11,580	8,782	682,846	4	1,512
Acquisition Adjustments	0	0	0	0	0	0
Total Electric Utility Plant	1,610,590	697,256	1,745,758	1,974,266	14,570	132,480
Accumulated Provisions for Depreciation and Amortization	511,073	201,590	652,322	469,548	6,120	44,168
Net Electric Utility Plant	1,099,517	495,665	1,093,436	1,504,718	8,450	88,312
Gas Utility Plant						
Utility Plant in Service	807,530	0	0	192,046	1,225	92,467
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	11,460	0	0	2,209	0	863
Acquisition Adjustments	-112,021	0	0	0	0	0
Total Gas Utility Plant	706,969	0	0	194,255	1,225	93,330
Accumulated Provisions for Depreciation and Amortization	188,563	0	0	74,280	425	28,723
Net Gas Utility Plant	518,406	0	0	119,975	800	64,607
Other Utility Plant						
Utility Plant in Service	4,323	0	0	83,430	0	3,109
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	7,500	0	324
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	4,323	0	0	90,930	0	3,433
Accumulated Provisions for Depreciation and Amortization	1,376	0	0	32,438	0	1,026
Net Other Utility Plant	2,947	0	0	58,492	0	2,407
Total Utility Plant						
Utility Plant in Service	2,404,499	677,639	1,736,976	1,565,761	15,792	226,544
Nuclear Fuel	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	9,832	8,037	0	1,136	0	0
Construction Work in Progress	19,572	11,580	8,782	692,554	4	2,698
Acquisition Adjustments	-112,021	0	0	0	0	0
Total Utility Plant	2,321,882	697,256	1,745,758	2,259,451	15,795	229,242
Accumulated Provisions for Depreciation and Amortization	701,012	201,590	652,322	576,266	6,545	73,916
Net Total Utility Plant	1,620,869	495,665	1,093,436	1,683,185	9,250	155,326
Intangible Plant						
Organization	0	0	39	2	0	0
Franchises and Consents	0	57	57	0	0	0
Miscellaneous Intangible Plant	0	0	0	0	0	0
Total Intangible Plant	0	57	97	2	0	0
Steam Production Plant						
Land and Land Rights	3,205	1,077	2,845	1,406	0	0
Structures and Improvements	180,697	24,952	124,495	149,642	0	0
Boiler Plant Equipment	497,867	105,560	561,434	462,653	0	0
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	140,290	50,337	169,464	111,326	0	0
Accessory Electric Equipment	50,715	11,883	74,347	81,016	0	0
Miscellaneous Power Plant Equipment	7,168	4,002	16,934	3,243	0	0
Total Steam Production Plant	879,942	197,811	949,519	809,286	0	0

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Kansas Power & Light Co	Kentucky Power Co	Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
Nuclear Production Plant						
Land and Land Rights	0	0	0	0	0	0
Structures and Improvements	0	0	0	0	0	0
Reactor Plant Equipment	0	0	0	0	0	0
Turbogenerator Units	0	0	0	0	0	0
Accessory Electric Equipment	0	0	0	0	0	0
Miscellaneous Power Plant Equipment	0	0	0	0	0	0
Total Nuclear Production Plant	0	0	0	0	0	0
Hydraulic Production Plant						
Land and Land Rights	0	0	893	0	0	0
Structures and Improvements	0	0	389	4,508	0	0
Reservoirs, Dams and Waterways	0	0	6,561	157	0	0
Water Wheels, Turbines and Generators	0	0	501	2,223	0	0
Accessory Electric Equipment	0	0	350	838	0	0
Miscellaneous Power Plant Equipment	0	0	91	138	0	0
Roads, Railroads and Bridges	0	0	48	175	0	0
Total Hydraulic Production Plant	0	0	8,832	8,039	0	0
Other Production Plant						
Land and Land Rights	67	0	0	41	0	0
Structures and Improvements	115	0	0	532	0	0
Fuel Holders, Producers and Accessories	746	0	181	251	0	0
Prime Movers	0	0	0	2,302	0	0
Generators	30,481	0	3,842	7,557	0	0
Accessory Electric Equipment	390	0	604	429	0	0
Miscellaneous Power Plant Equipment	947	0	36	27	0	0
Total Other Production Plant	32,746	0	4,662	11,141	0	0
Total Production Plant	912,688	197,811	963,014	828,465	0	0
Transmission Plant						
Land and Land Rights	6,866	20,316	20,092	2,818	551	1,429
Structures and Improvements	6,288	4,097	4,389	1,541	118	454
Station Equipment	108,386	43,439	95,416	69,984	3,669	3,062
Towers and Fixtures	2,908	76,304	51,115	17,601	6,070	0
Poles and Fixtures	74,607	12,434	43,314	15,116	975	2,875
Overhead Conductors and Devices	65,458	69,436	90,442	19,732	3,094	2,941
Underground Conduit	45	12	96	173	0	0
Underground Conductors and Devices	23	106	775	580	0	0
Roads and Trails	0	0	0	0	3	0
Total Transmission Plant	264,582	226,144	305,638	127,546	14,481	10,760
Distribution Plant						
Land and Land Rights	1,388	3,126	1,672	1,720	0	3,629
Structures and Improvements	4,842	1,779	1,714	4,464	0	156
Station Equipment	62,095	20,821	47,506	45,539	0	14,085
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	91,085	63,823	79,890	53,600	0	20,681
Overhead Conductors and Devices	52,223	50,285	80,182	65,733	0	23,118
Underground Conduit	6,615	757	1,346	16,574	0	2,104
Underground Conductors and Devices	10,060	1,767	8,626	31,427	0	12,077
Line Transformers	86,696	49,415	103,026	59,172	0	23,450
Services	20,577	13,191	32,941	14,304	0	6,352
Meters	23,173	16,632	37,810	20,744	0	7,102
Installations on Customers Premises	1,498	3,913	6,134	0	0	0
Leased Property on Customers Premises	3,873	0	0	0	0	0
Street Lighting and Signal Systems	10,549	1,824	18,569	19,329	0	3,503
Total Distribution Plant	374,673	227,332	419,416	332,607	0	116,257

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
General Plant						
Land and Land Rights	1,952	1,597	2,172	0	0	125
Structures and Improvements	18,698	15,004	20,125	0	0	364
Office Furniture and Equipment	3,632	1,004	5,488	0	0	45
Transportation Equipment	1,809	2,060	14,835	0	0	3,066
Stores Equipment	1,693	168	336	0	0	1
Tools, Shop and Garage Equipment	3,552	669	1,147	566	0	212
Laboratory Equipment	1,476	466	766	933	0	4
Power Operated Equipment	291	0	124	166	0	114
Communication Equipment	7,506	3,010	3,365	0	84	14
Miscellaneous Equipment	95	498	452	0	0	1
Subtotal General Plant	40,704	24,475	48,811	1,664	84	3,950
Other Tangible Property	0	1,821	0	0	0	0
Total General Plant	40,704	26,295	48,811	1,664	84	3,950
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	1,592,646	677,639	1,736,976	1,290,284	14,566	130,967
Additions						
Intangible Plant	0	2	1	0	0	0
Production Plant						
Steam Production Plant	18,411	5,182	3,784	2,680	0	0
Nuclear Production Plant	0	0	0	0	0	0
Hydraulic Production Plant	0	0	6	4	0	0
Other Production Plant	55	0	0	0	0	0
Total Production Plant	18,465	5,182	3,789	2,684	0	0
Transmission Plant	9,440	2,763	5,642	1,374	0	-71
Distribution Plant	27,013	16,574	29,380	23,403	0	11,532
General Plant	4,801	226	10,603	128	0	184
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	59,720	24,746	49,415	27,590	0	11,645
Retirements						
Intangible Plant	0	1	0	0	0	0
Production Plant						
Steam Production Plant	1,991	3,675	164	1,254	0	0
Nuclear Production Plant	0	0	0	0	0	0
Hydraulic Production Plant	0	0	3	75	0	0
Other Production Plant	20	0	0	0	0	0
Total Production Plant	2,012	3,675	167	1,328	0	0
Transmission Plant	866	983	460	273	0	8
Distribution Plant	3,876	7,259	4,718	2,958	0	1,832
General Plant	230	349	1,679	8	0	227
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	6,984	12,267	7,025	4,566	0	2,067

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Louisiana Central Louisiana Electric Co Inc	Louisiana Power & Light Co	Louisiana New Orleans Public Service Inc	Louisiana Southwestern Electric Power Co	Maine Bangor Hydro- Electric Co	Maine Central Maine Power Co
Electric Utility Plant						
Utility Plant in Service	1,066,861	4,399,718	405,729	2,319,957	167,962	1,243,535
Nuclear Fuel	0	104,615	0	0	0	6,636
Leased to Others	0	5,144	0	3,361	0	0
Held for Future Use	1,002	114	23,519	35,152	0	4,914
Construction Work in Progress	19,284	112,954	4,238	23,748	8,756	54,320
Acquisition Adjustments	136	379	0	0	21	226
Total Electric Utility Plant	1,087,283	4,622,923	433,485	2,382,218	176,740	1,309,631
Accumulated Provisions for Depreciation and Amortization	274,046	1,015,680	230,680	674,678	61,243	388,703
Net Electric Utility Plant	813,237	3,607,243	202,805	1,707,540	115,496	920,928
Gas Utility Plant						
Utility Plant in Service	0	0	98,775	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	1,915	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	100,691	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	43,721	0	0	0
Net Gas Utility Plant	0	0	56,970	0	0	0
Other Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Other Utility Plant	0	0	0	0	0	0
Total Utility Plant						
Utility Plant in Service	1,066,861	4,399,718	504,504	2,319,957	167,962	1,243,535
Nuclear Fuel	0	104,615	0	0	0	6,636
Leased to Others	0	5,144	0	3,361	0	0
Held for Future Use	1,002	114	23,519	35,152	0	4,914
Construction Work in Progress	19,284	112,954	6,153	23,748	8,756	54,320
Acquisition Adjustments	136	379	0	0	21	226
Total Utility Plant	1,087,283	4,622,923	534,176	2,382,218	176,740	1,309,631
Accumulated Provisions for Depreciation and Amortization	274,046	1,015,680	274,401	674,678	61,243	388,703
Net Total Utility Plant	813,237	3,607,243	259,775	1,707,540	115,496	920,928
Intangible Plant						
Organization	7	44	0	12	31	0
Franchises and Consents	25	20	0	0	97	2,282
Miscellaneous Intangible Plant	3,066	0	0	396	0	27
Total Intangible Plant	3,098	63	0	407	127	2,309
Steam Production Plant						
Land and Land Rights	4,738	4,237	696	9,490	279	229
Structures and Improvements	73,870	42,565	22,611	249,462	5,422	37,000
Boiler Plant Equipment	272,274	218,849	54,389	744,696	12,594	95,133
Engines and Engine Driven Generators	0	5	0	0	5,166	0
Turbogenerator Units	97,066	177,786	30,665	234,972	2,496	43,521
Accessory Electric Equipment	29,574	48,965	12,518	52,979	8	11,603
Miscellaneous Power Plant Equipment	12,230	9,029	2,053	29,757	372	3,365
Total Steam Production Plant	489,752	501,435	122,931	1,321,356	26,336	190,852

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Louisiana Central Louisiana Electric Co Inc	Louisiana Louisiana Power & Light Co	Louisiana New Orleans Public Service Inc	Louisiana Southwestern Electric Power Co	Maine Bangor Hydro- Electric Co	Maine Central Maine Power Co
Nuclear Production Plant						
Land and Land Rights	0	898	0	0	0	8
Structures and Improvements	0	693,716	0	0	0	39,705
Reactor Plant Equipment	0	864,066	0	0	0	33,550
Turbogenerator Units	0	228,936	0	0	0	13,024
Accessory Electric Equipment	0	504,268	0	0	0	8,880
Miscellaneous Power Plant Equipment	0	77,362	0	0	0	2,291
Total Nuclear Production Plant	0	2,369,244	0	0	0	97,458
Hydraulic Production Plant						
Land and Land Rights	0	0	0	0	1,321	11,642
Structures and Improvements	0	0	0	0	3,134	24,383
Reservoirs, Dams and Waterways	0	0	0	0	5,712	62,890
Water Wheels, Turbines and Generators	0	0	0	0	4,320	33,215
Accessory Electric Equipment	0	0	0	0	892	6,844
Miscellaneous Power Plant Equipment	0	0	0	0	54	2,112
Roads, Railroads and Bridges	0	0	0	0	16	1,010
Total Hydraulic Production Plant	0	0	0	0	15,450	142,096
Other Production Plant						
Land and Land Rights	68	60	0	0	2	33
Structures and Improvements	30	1,923	0	0	137	411
Fuel Holders, Producers and Accessories	61	613	0	0	72	329
Prime Movers	48	6,271	0	0	1,840	178
Generators	1,237	3,652	0	0	953	3,019
Accessory Electric Equipment	6	557	0	0	2	58
Miscellaneous Power Plant Equipment	53	194	0	0	0	34
Total Other Production Plant	1,504	13,271	0	0	3,006	4,062
Total Production Plant	491,256	2,883,950	122,931	1,321,356	44,792	434,468
Transmission Plant						
Land and Land Rights	14,436	20,025	869	21,341	700	9,526
Structures and Improvements	123	2,362	663	4,802	0	4,935
Station Equipment	106,497	78,544	18,973	123,005	10,880	67,727
Towers and Fixtures	10,534	44,589	8,419	29,353	25	11,351
Poles and Fixtures	29,319	78,875	10,743	43,402	4,531	62,623
Overhead Conductors and Devices	34,818	72,699	5,581	11,855	5,315	33,163
Underground Conduit	0	0	461	0	3	1,264
Underground Conductors and Devices	129	1,295	610	0	342	1,489
Roads and Trails	56	108	0	0	2	25
Total Transmission Plant	195,914	296,496	46,319	318,757	21,798	192,102
Distribution Plant						
Land and Land Rights	5,963	15,474	1,799	2,806	1,785	802
Structures and Improvements	46	7,480	4,186	2,104	94	2,757
Station Equipment	24,746	188,497	34,993	62,569	7,095	36,115
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	62,648	116,566	20,155	101,092	22,451	136,588
Overhead Conductors and Devices	80,451	188,191	14,996	98,283	20,817	108,413
Underground Conduit	9,529	10,796	29,441	7,555	692	5,832
Underground Conductors and Devices	12,967	22,363	33,073	36,734	1,902	15,707
Line Transformers	73,367	221,964	41,083	127,521	18,131	114,106
Services	28,784	77,631	16,139	16,689	7,504	34,767
Meters	16,479	64,678	12,337	35,387	4,850	38,911
Installations on Customers Premises	0	0	0	12,629	0	0
Leased Property on Customers Premises	0	0	0	0	0	0
Street Lighting and Signal Systems	6,992	31,279	2,769	14,838	2,004	11,274
Total Distribution Plant	321,971	944,919	210,971	518,208	87,323	505,272

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Louisiana	Louisiana	Louisiana	Louisiana	Maine	Maine
Item	Central Louisiana Electric Co. Inc.	Louisiana Power & Light Co.	New Orleans Public Service Inc.	Southwestern Electric Power Co.	Bangor Hydro- Electric Co.	Central Maine Power Co.
General Plant						
Land and Land Rights	1,460	628	1,054	2,207	220	1,381
Structures and Improvements	17,467	7,083	8,601	31,067	4,477	48,727
Office Furniture and Equipment	8,519	8,185	2,720	12,214	2,348	16,604
Transportation Equipment	2,341	4,607	1,317	12,382	1,546	24,748
Stores Equipment	550	650	365	255	105	1,022
Tools, Shop and Garage Equipment	1,480	4,541	1,187	3,146	71	2,488
Laboratory Equipment	1,444	2,607	649	1,517	386	4,947
Power-Operated Equipment	1,028	0	3,914	614	2,723	52
Communication Equipment	6,152	12,850	5,555	5,353	1,179	7,526
Miscellaneous Equipment	679	214	147	494	869	1,888
Subtotal General Plant	41,300	41,366	25,508	69,248	13,922	109,384
Other Tangible Property	13,322	230,923	0	91,980	0	0
Total General Plant	54,622	272,289	25,508	161,228	13,922	109,384
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant, Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	1,066,861	4,399,718	405,729	2,319,957	167,962	1,243,535
Additions						
Intangible Plant	117	0	0	396	0	385
Production Plant						
Steam Production Plant	2,283	1,957	632	2,717	425	1,292
Nuclear Production Plant	0	7,981	0	0	0	368
Hydraulic Production Plant	0	0	0	0	759	6,276
Other Production Plant	0	0	0	0	164	13
Total Production Plant	2,283	9,939	632	2,717	1,347	7,950
Transmission Plant	34,631	2,706	1,097	8,098	967	9,798
Distribution Plant	24,804	42,285	4,925	30,498	15,550	52,834
General Plant	5,854	4,405	340	5,768	2,409	12,893
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	67,698	59,335	6,995	47,476	20,274	83,860
Retirements						
Intangible Plant	0	0	0	0	0	31
Production Plant						
Steam Production Plant	636	312	12	693	89	904
Nuclear Production Plant	0	244,507	0	0	0	131
Hydraulic Production Plant	0	0	0	0	39	777
Other Production Plant	0	13	0	0	34	0
Total Production Plant	636	244,833	12	693	162	1,812
Transmission Plant	890	84	136	772	51	1,532
Distribution Plant	3,256	8,295	1,167	4,567	440	7,928
General Plant	901	3,436	322	18,624	88	3,671
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	5,684	256,648	1,636	24,656	741	14,974

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 - Annual Report of Major Electric Utilities, Licensees and Others.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Maine Maine Electric Power Co Inc	Maine Maine Public Service Co	Maine Maine Yankee Atomic Power Co	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co
Electric Utility Plant						
Utility Plant in Service	21,096	64,529	347,042	4,034,444	1,289,901	3,165,938
Nuclear Fuel	0	0	403,940	747,218	0	235,862
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	68	74	8,840	1,467	1,749
Construction Work in Progress	23,188	263	8,286	638,190	57,854	74,330
Acquisition Adjustments	0	34	0	0	0	0
Total Electric Utility Plant	44,284	64,894	759,342	5,428,692	1,349,222	3,477,879
Accumulated Provisions for Depreciation and Amortization	14,660	28,059	467,302	1,896,586	466,389	1,092,726
Net Electric Utility Plant	29,624	36,835	292,040	3,532,106	882,833	2,385,153
Gas Utility Plant						
Utility Plant in Service	0	0	0	471,740	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	10,774	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	482,514	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	165,193	0	0
Net Gas Utility Plant	0	0	0	317,321	0	0
Other Utility Plant						
Utility Plant in Service	0	0	0	308,492	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	1,743	0	0
Construction Work in Progress	0	0	0	55,967	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	366,202	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	71,210	0	0
Net Other Utility Plant	0	0	0	294,992	0	0
Total Utility Plant						
Utility Plant in Service	21,096	64,529	347,042	4,814,676	1,289,901	3,165,938
Nuclear Fuel	0	0	403,940	747,218	0	235,862
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	68	74	10,583	1,467	1,749
Construction Work in Progress	23,188	263	8,286	704,931	57,854	74,330
Acquisition Adjustments	0	34	0	0	0	0
Total Utility Plant	44,284	64,894	759,342	6,277,408	1,349,222	3,477,879
Accumulated Provisions for Depreciation and Amortization	14,660	28,059	467,302	2,132,988	466,389	1,092,726
Net Total Utility Plant	29,624	36,835	292,040	4,144,419	882,833	2,385,153
Intangible Plant						
Organization	5	28	7	3	124	0
Franchises and Consents	4	0	0	0	0	0
Miscellaneous Intangible Plant	25	573	609	6,781	0	53,524
Total Intangible Plant	33	602	615	6,784	124	53,524
Steam Production Plant						
Land and Land Rights	0	31	0	4,390	4,447	7,637
Structures and Improvements	0	1,837	0	213,585	70,944	85,166
Boiler Plant Equipment	0	5,453	0	626,260	328,809	345,518
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	0	2,886	0	189,735	122,367	120,998
Accessory Electric Equipment	0	821	0	112,160	35,858	41,261
Miscellaneous Power Plant Equipment	0	70	0	43,754	8,662	4,509
Total Steam Production Plant	0	11,097	0	1,189,884	571,128	605,089

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Maine Maine Electric Power Co Inc	Maine Maine Public Service Co	Maine Maine Yankee Atomic Power Co	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co
Nuclear Production Plant						
Land and Land Rights	0	0	475	4,627	0	6,721
Structures and Improvements	0	0	41,810	229,020	0	182,272
Reactor Plant Equipment	0	0	173,870	421,560	0	542,528
Turbogenerator Units	0	0	93,046	212,340	0	75,386
Accessory Electric Equipment	0	0	18,649	119,400	0	63,813
Miscellaneous Power Plant Equipment	0	0	13,791	53,777	0	114,039
Total Nuclear Production Plant	0	0	341,641	1,043,723	0	984,760
Hydraulic Production Plant						
Land and Land Rights	0	92	0	0	120	0
Structures and Improvements	0	114	0	0	1,269	0
Reservoirs, Dams and Waterways	0	3,110	0	0	2,342	0
Water Wheels, Turbines and Generators	0	177	0	0	1,597	0
Accessory Electric Equipment	0	0	0	0	542	0
Miscellaneous Power Plant Equipment	0	19	0	0	95	0
Roads, Railroads and Bridges	0	23	0	0	0	0
Total Hydraulic Production Plant	0	3,536	0	0	5,965	0
Other Production Plant						
Land and Land Rights	0	0	0	219	0	37
Structures and Improvements	0	465	0	3,603	0	2,168
Fuel Holders, Producers and Accessories	0	58	0	3,406	0	969
Prime Movers	0	1,357	0	16,421	0	27,209
Generators	0	333	0	49,674	0	3,637
Accessory Electric Equipment	0	25	0	5,486	0	2,822
Miscellaneous Power Plant Equipment	0	61	0	178	0	361
Total Other Production Plant	0	2,299	0	78,987	0	37,204
Total Production Plant	0	16,932	341,641	2,312,595	577,092	1,627,053
Transmission Plant						
Land and Land Rights	913	828	0	27,585	20,503	11,669
Structures and Improvements	419	68	0	12,867	2,848	24,399
Station Equipment	5,210	3,620	4,786	133,746	82,188	141,397
Towers and Fixtures	615	0	0	36,676	17,390	28,124
Poles and Fixtures	9,011	3,999	0	22,737	27,805	8,605
Overhead Conductors and Devices	4,555	2,347	0	56,489	42,449	19,507
Underground Conduit	0	0	0	27,760	0	3,143
Underground Conductors and Devices	0	0	0	22,699	0	132,306
Roads and Trails	0	0	0	55	0	796
Total Transmission Plant	20,723	10,862	4,786	340,615	193,183	369,946
Distribution Plant						
Land and Land Rights	0	122	0	7,494	6,026	8,664
Structures and Improvements	0	44	0	19,315	1,492	15,911
Station Equipment	0	2,937	0	156,897	74,582	141,032
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	0	9,119	0	112,459	89,116	44,923
Overhead Conductors and Devices	0	8,001	0	142,692	81,337	124,877
Underground Conduit	0	3	0	28,470	14,814	85,103
Underground Conductors and Devices	0	84	0	341,617	45,379	290,630
Line Transformers	0	4,281	0	210,687	106,450	156,929
Services	0	3,000	0	104,573	35,041	67,365
Meters	0	1,820	0	121,056	25,006	41,636
Installations on Customers Premises	0	279	0	8,964	0	0
Leased Property on Customers Premises	0	0	0	0	0	0
Street Lighting and Signal Systems	0	761	0	35,416	7,476	49,239
Total Distribution Plant	0	30,450	0	1,289,641	486,719	1,026,310

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Maine Electric Power Co Inc	Maine Public Service Co	Maine Yankee Atomic Power Co	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co
General Plant						
Land and Land Rights	4	173	0	395	524	1,179
Structures and Improvements	9	1,891	0	43,615	15,389	40,523
Office Furniture and Equipment	0	829	0	0	4,099	29,896
Transportation Equipment	0	566	0	0	1,504	1
Stores Equipment	0	68	0	1,027	788	1,647
Tools, Shop and Garage Equipment	13	199	0	6,133	2,252	5,031
Laboratory Equipment	0	253	0	5,193	1,948	6,477
Power Operated Equipment	0	1,135	0	0	277	0
Communication Equipment	313	390	0	4,604	5,952	6,615
Miscellaneous Equipment	0	180	0	23,391	48	243
Subtotal General Plant	340	5,683	0	84,357	32,782	91,612
Other Tangible Property	0	0	0	452	0	-2,508
Total General Plant	340	5,683	0	84,809	32,782	89,104
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	21,096	64,529	347,042	4,034,444	1,289,901	3,165,938
Additions						
Intangible Plant	0	118	99	6	0	11,070
Production Plant						
Steam Production Plant	0	49	0	43,915	16,079	15,768
Nuclear Production Plant	0	0	5,939	10,744	0	29,657
Hydraulic Production Plant	0	354	0	0	3,100	0
Other Production Plant	0	21	0	226	0	1,556
Total Production Plant	0	423	5,939	54,885	19,179	46,981
Transmission Plant	0	455	0	5,074	5,622	101,275
Distribution Plant	0	1,964	0	110,457	45,748	74,174
General Plant	0	1,729	0	7,172	6,285	7,938
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	0	4,688	6,038	177,594	76,833	241,439
Retirements						
Intangible Plant	0	0	0	0	0	1,157
Production Plant						
Steam Production Plant	0	0	0	5,376	3,920	3,340
Nuclear Production Plant	0	0	6,686	2,066	0	478
Hydraulic Production Plant	0	11	0	0	3	0
Other Production Plant	0	0	0	416	0	109
Total Production Plant	0	11	6,686	7,858	3,923	3,927
Transmission Plant	0	24	0	371	361	136
Distribution Plant	0	348	0	8,614	2,911	8,352
General Plant	0	250	0	76	1,036	362
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	0	634	6,686	16,919	8,231	13,934

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts
Item	Cambridge Electric Light Co	Canal Electric Co	Commonwealth Electric Co	Eastern Edison Co	Fitchburg Gas & Electric Light Co	Holyoke Water Power Co
Electric Utility Plant						
Utility Plant in Service	122,580	142,918	394,092	190,240	52,034	74,403
Nuclear Fuel	0	14,485	0	0	583	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	56	2,220	0	27	0
Construction Work in Progress	2,230	229,534	10,068	1,235	305	4,086
Acquisition Adjustments	0	0	0	0	168	0
Total Electric Utility Plant	124,810	386,994	406,380	191,475	53,118	78,489
Accumulated Provisions for Depreciation and Amortization	39,601	81,634	111,224	52,598	16,744	33,043
Net Electric Utility Plant	85,209	305,360	295,156	138,877	36,374	45,445
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	19,493	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	458	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	19,950	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	4,547	0
Net Gas Utility Plant	0	0	0	0	15,404	0
Other Utility Plant						
Utility Plant in Service	0	0	0	0	3,888	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	408	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	4,295	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	292	0
Net Other Utility Plant	0	0	0	0	4,003	0
Total Utility Plant						
Utility Plant in Service	122,580	142,918	394,092	190,240	75,415	74,403
Nuclear Fuel	0	14,485	0	0	583	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	56	2,220	0	27	0
Construction Work in Progress	2,230	229,534	10,068	1,235	1,171	4,086
Acquisition Adjustments	0	0	0	0	168	0
Total Utility Plant	124,810	386,994	406,380	191,475	77,364	78,489
Accumulated Provisions for Depreciation and Amortization	39,601	81,634	111,224	52,598	21,583	33,043
Net Total Utility Plant	85,209	305,360	295,156	138,877	55,781	45,445
Intangible Plant						
Organization	0	0	0	0	0	0
Franchises and Consents	0	0	0	0	0	0
Miscellaneous Intangible Plant	0	0	0	231	0	0
Total Intangible Plant	0	0	0	231	0	0
Steam Production Plant						
Land and Land Rights	67	1,236	244	0	194	170
Structures and Improvements	3,704	16,188	5,341	0	897	5,972
Boiler Plant Equipment	7,371	68,373	6,991	0	3,879	11,721
Engines and Engine-Driven Generators	0	0	0	0	0	0
Turbogenerator Units	4,513	41,160	4,064	0	1,655	6,782
Accessory Electric Equipment	4,764	8,080	2,436	0	665	1,984
Miscellaneous Power Plant Equipment	300	1,500	267	0	94	1,032
Total Steam Production Plant	20,717	136,537	19,343	0	7,384	27,661

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts
Item	Cambridge Electric Light Co	Canal Electric Co	Commonwealth Electric Co	Eastern Edison Co	Fitchburg Gas & Electric Light Co	Holyoke Water Power Co
Nuclear Production Plant						
Land and Land Rights	0	0	0	0	3	0
Structures and Improvements	0	0	0	0	4,625	0
Reactor Plant Equipment	0	0	0	0	3,885	0
Turbogenerator Units	0	0	0	0	1,516	0
Accessory Electric Equipment	0	0	0	0	1,035	0
Miscellaneous Power Plant Equipment	0	0	0	0	246	0
Total Nuclear Production Plant	0	0	0	0	11,310	0
Hydraulic Production Plant						
Land and Land Rights	0	0	0	0	0	155
Structures and Improvements	0	0	0	0	0	9,320
Reservoirs, Dams and Waterways	0	0	0	0	0	11,123
Water Wheels, Turbines and Generators	0	0	0	0	0	14,093
Accessory Electric Equipment	0	0	0	0	0	2,598
Miscellaneous Power Plant Equipment	0	0	0	0	0	560
Roads, Railroads and Bridges	0	0	0	0	0	104
Total Hydraulic Production Plant	0	0	0	0	0	37,953
Other Production Plant						
Land and Land Rights	29	0	0	0	0	0
Structures and Improvements	73	0	33	0	0	0
Fuel Holders, Producers and Accessories	123	0	143	0	233	0
Prime Movers	1,986	0	1,014	0	50	0
Generators	1,663	0	382	0	0	0
Accessory Electric Equipment	206	0	66	0	0	0
Miscellaneous Power Plant Equipment	13	0	15	0	0	0
Total Other Production Plant	4,093	0	1,653	0	283	0
Total Production Plant	24,810	136,537	20,996	0	18,977	65,614
Transmission Plant						
Land and Land Rights	182	7	4,035	381	691	0
Structures and Improvements	4,904	219	1,445	136	92	0
Station Equipment	5,588	5,685	37,480	5,988	4,573	1,884
Towers and Fixtures	0	0	3,911	145	78	0
Poles and Fixtures	51	0	17,936	3,132	1,709	0
Overhead Conductors and Devices	0	0	12,333	2,213	964	0
Underground Conduit	6,154	0	557	0	15	0
Underground Conductors and Devices	5,445	0	492	0	251	0
Roads and Trails	0	0	987	90	10	0
Total Transmission Plant	22,324	5,911	79,175	12,085	8,383	1,884
Distribution Plant						
Land and Land Rights	257	0	2,335	1,968	66	11
Structures and Improvements	2,583	0	256	1,506	334	247
Station Equipment	22,185	0	8,005	16,905	2,966	2,202
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	1,425	0	43,593	24,558	2,996	494
Overhead Conductors and Devices	3,265	0	55,018	32,844	4,637	945
Underground Conduit	12,799	0	10,984	7,670	670	164
Underground Conductors and Devices	19,928	0	40,238	17,898	1,626	120
Line Transformers	2,240	0	50,240	31,048	3,770	630
Services	2,860	0	25,956	10,492	1,649	127
Meters	3,733	0	20,074	10,654	1,916	350
Installations on Customers Premises	0	0	0	1,148	650	14
Leased Property on Customers Premises	0	0	0	2,543	169	0
Street Lighting and Signal Systems	2,491	0	9,259	6,467	1,151	0
Total Distribution Plant	73,766	0	265,957	165,701	22,599	5,303

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts	Massachusetts
Item	Cambridge Electric Light Co	Canal Electric Co	Commonwealth Electric Co	Eastern Edison Co	Fitchburg Gas & Electric Light Co	Holyoke Water Power Co
General Plant						
Land and Land Rights	64	0	1,233	770	0	146
Structures and Improvements	838	113	21,714	8,611	43	719
Office Furniture and Equipment	163	107	1,221	766	135	184
Transportation Equipment	22	106	15	11	356	43
Stores Equipment	18	5	280	70	6	61
Tools, Shop and Garage Equipment	333	0	1,937	635	54	148
Laboratory Equipment	111	12	622	286	49	31
Power Operated Equipment	0	54	39	11	15	5
Communication Equipment	70	5	359	603	4	204
Miscellaneous Equipment	62	69	545	381	41	27
Subtotal General Plant	1,680	471	27,964	12,145	695	1,568
Other Tangible Property	0	0	0	79	1,380	34
Total General Plant	1,680	471	27,964	12,224	2,075	1,602
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	122,580	142,918	394,092	190,240	52,034	74,403
Additions						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	271	76	702	0	0	1,126
Nuclear Production Plant	0	0	0	0	0	0
Hydraulic Production Plant	0	0	0	0	0	456
Other Production Plant	228	0	0	0	0	0
Total Production Plant	499	76	702	0	1	1,582
Transmission Plant	18,714	0	14,675	185	729	-1
Distribution Plant	12,366	0	28,285	10,762	2,207	131
General Plant	82	28	1,227	1,917	225	-428
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	31,661	103	44,889	12,863	3,162	1,285
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	31	2	181	0	0	-4
Nuclear Production Plant	0	0	0	0	0	0
Hydraulic Production Plant	0	0	0	0	0	35
Other Production Plant	27	0	0	0	0	0
Total Production Plant	57	2	181	0	0	32
Transmission Plant	0	0	231	1	0	0
Distribution Plant	679	0	3,386	2,287	145	2
General Plant	7	1	104	139	0	0
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	743	3	3,902	2,426	145	34

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Massachusetts Electric Co	Massachusetts Montauk Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
Electric Utility Plant						
Utility Plant in Service	1,053,134	353,137	2,030,892	1,079,319	90,259	4,178,988
Nuclear Fuel	0	21,077	31,340	150,072	36,331	224,187
Leased to Others	0	0	0	0	0	0
Held for Future Use	785	608	7,938	368	0	13,588
Construction Work in Progress	13,072	188,518	322,772	18,241	4,742	94,534
Acquisition Adjustments	0	0	0	0	0	0
Total Electric Utility Plant	1,066,991	563,340	2,392,943	1,248,000	131,332	4,511,298
Accumulated Provisions for Depreciation and Amortization	285,460	116,097	729,241	400,873	96,795	1,850,055
Net Electric Utility Plant	781,531	447,243	1,663,702	847,127	34,537	2,661,243
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	0	1,378,333
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	141,837
Construction Work in Progress	0	0	0	0	0	3,089
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	0	1,523,259
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	753,634
Net Gas Utility Plant	0	0	0	0	0	769,625
Other Utility Plant						
Utility Plant in Service	0	0	0	0	0	109,036
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	182
Construction Work in Progress	0	0	0	0	0	10,233
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	119,452
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	23,444
Net Other Utility Plant	0	0	0	0	0	96,007
Total Utility Plant						
Utility Plant in Service	1,053,134	353,137	2,030,892	1,079,319	90,259	5,666,357
Nuclear Fuel	0	21,077	31,340	150,072	36,331	224,187
Leased to Others	0	0	0	0	0	0
Held for Future Use	785	608	7,938	368	0	155,607
Construction Work in Progress	13,072	188,518	322,772	18,241	4,742	107,857
Acquisition Adjustments	0	0	0	0	0	0
Total Utility Plant	1,066,991	563,340	2,392,943	1,248,000	131,332	6,154,009
Accumulated Provisions for Depreciation and Amortization	285,460	116,097	729,241	400,873	96,795	2,627,133
Net Total Utility Plant	781,531	447,243	1,663,702	847,127	34,537	3,526,876
Intangible Plant						
Organization	0	0	21	0	0	96
Franchises and Consents	0	0	0	0	0	238
Miscellaneous Intangible Plant	0	0	787	0	0	1,714
Total Intangible Plant	0	0	808	0	0	2,047
Steam Production Plant						
Land and Land Rights	0	658	2,260	342	0	3,161
Structures and Improvements	0	23,247	92,377	8,842	0	349,897
Boiler Plant Equipment	0	60,610	531,702	23,156	0	699,287
Engines and Engine-Driven Generators	0	0	0	0	0	0
Turbogenerator Units	0	35,515	144,418	9,243	0	216,776
Accessory Electric Equipment	0	9,321	58,884	4,170	0	86,479
Miscellaneous Power Plant Equipment	0	1,254	3,961	1,441	0	11,649
Total Steam Production Plant	0	130,605	833,602	47,193	0	1,367,248

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Massachusetts Electric Co	Massachusetts Montaup Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
Nuclear Production Plant						
Land and Land Rights	0	47	23	612	137	2,789
Structures and Improvements	0	51,588	142,364	149,703	16,825	149,074
Reactor Plant Equipment	0	85,172	236,867	288,246	47,031	238,014
Turbogenerator Units	0	21,068	58,509	72,977	16,002	71,289
Accessory Electric Equipment	0	16,217	44,935	49,242	4,175	21,733
Miscellaneous Power Plant Equipment	0	3,567	9,959	7,641	2,710	16,723
Total Nuclear Production Plant	0	177,658	492,657	568,420	86,881	499,622
Hydraulic Production Plant						
Land and Land Rights	0	0	20,694	1,910	0	3,622
Structures and Improvements	0	0	32,854	6,496	0	16,895
Reservoirs, Dams and Waterways	0	0	152,450	41,182	0	107,833
Water Wheels, Turbines and Generators	0	0	43,186	12,659	0	24,890
Accessory Electric Equipment	0	0	17,711	6,346	0	7,606
Miscellaneous Power Plant Equipment	0	0	3,831	1,309	0	1,516
Roads, Railroads and Bridges	0	0	5,225	909	0	1,600
Total Hydraulic Production Plant	0	0	275,952	70,811	0	163,962
Other Production Plant						
Land and Land Rights	0	0	0	11	0	132
Structures and Improvements	0	21	60	614	0	693
Fuel Holders, Producers and Accessories	0	224	242	322	0	462
Prime Movers	0	0	2,066	8,180	0	0
Generators	0	3,925	1,515	2,060	0	34,156
Accessory Electric Equipment	0	269	1,466	1,043	0	1,000
Miscellaneous Power Plant Equipment	0	15	26	20	0	95
Total Other Production Plant	0	4,454	5,374	12,249	0	36,538
Total Production Plant	0	312,717	1,607,584	598,674	86,881	2,067,369
Transmission Plant						
Land and Land Rights	715	2,905	24,426	10,611	0	72,901
Structures and Improvements	0	1,206	3,963	3,937	0	13,623
Station Equipment	469	21,176	164,006	43,749	527	236,922
Towers and Fixtures	0	5,741	10,108	1,476	0	99,394
Poles and Fixtures	2,146	1,871	101,080	11,123	0	82,870
Overhead Conductors and Devices	1,702	4,177	93,288	15,520	0	133,562
Underground Conduit	190	0	430	42	0	426
Underground Conductors and Devices	530	0	7,280	1,755	0	3,472
Roads and Trails	43	906	2,440	45	0	1,042
Total Transmission Plant	5,794	37,982	407,021	88,261	527	644,213
Distribution Plant						
Land and Land Rights	9,608	0	0	1,698	0	15,080
Structures and Improvements	7,202	0	0	2,423	0	8,054
Station Equipment	103,611	0	312	27,546	0	132,358
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	151,217	0	99	25,076	0	264,986
Overhead Conductors and Devices	243,857	0	1,000	43,434	0	230,776
Underground Conduit	49,905	0	1	27,493	0	23,429
Underground Conductors and Devices	95,529	0	16	4,000	0	153,949
Line Transformers	165,907	0	12	33,350	0	270,923
Services	54,961	0	0	34,063	0	178,744
Meters	54,578	0	3,676	11,778	0	84,216
Installations on Customers Premises	0	0	13	6,307	0	2,215
Leased Property on Customers Premises	16,521	0	0	40	0	0
Street Lighting and Signal Systems	65,153	0	0	8,045	0	45,360
Total Distribution Plant	1,018,049	0	4,283	269,062	0	1,410,090

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Massachusetts Massachusetts Electric Co	Massachusetts Montaup Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
General Plant						
Land and Land Rights	606	0	146	424	0	1,768
Structures and Improvements	17,431	1,147	708	10,873	0	20,841
Office Furniture and Equipment	1,919	326	1,403	2,877	622	2,111
Transportation Equipment	0	70	215	813	91	3,225
Stores Equipment	1,214	86	330	668	66	371
Tools, Shop and Garage Equipment	4,381	449	2,436	2,027	413	4,171
Laboratory Equipment	1,267	93	1,432	687	1,073	1,685
Power Operated Equipment	0	0	0	292	0	252
Communication Equipment	2,220	191	4,167	4,128	0	2,942
Miscellaneous Equipment	253	76	360	208	586	515
Subtotal General Plant	29,291	2,437	11,197	22,999	2,851	37,882
Other Tangible Property	2	0	0	323	0	17,385
Total General Plant	29,291	2,437	11,197	23,322	2,851	55,267
Electric Plant Purchased and Sold (net)	0	0	0	0	0	2
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	1,053,134	353,137	2,030,892	1,079,319	90,259	4,178,988
Additions						
Intangible Plant	0	0	377	0	0	11
Production Plant						
Steam Production Plant	0	3,513	30,577	7,417	0	4,509
Nuclear Production Plant	0	569	1,479	10,302	3,097	16,939
Hydraulic Production Plant	0	0	3,581	1,694	0	383
Other Production Plant	0	21	514	456	0	32
Total Production Plant	0	4,102	36,151	19,869	3,097	21,863
Transmission Plant	-378	984	80,285	956	0	9,878
Distribution Plant	95,628	0	-63	26,736	0	91,590
General Plant	914	141	576	2,270	153	5,014
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	96,164	5,227	117,326	49,831	3,250	128,356
Retirements						
Intangible Plant	0	0	0	0	0	5
Production Plant						
Steam Production Plant	0	126	12,274	98	0	3,156
Nuclear Production Plant	0	156	269	1,441	69	4,544
Hydraulic Production Plant	0	0	11	90	0	13
Other Production Plant	0	5	16	71	0	0
Total Production Plant	0	286	12,570	1,701	69	7,714
Transmission Plant	0	119	383	266	0	543
Distribution Plant	11,704	0	18	9,907	0	12,391
General Plant	161	2	765	1,264	9	1,047
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	11,865	408	13,735	13,138	78	21,700

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
Item	Detroit Edison Co	Edison Sault Electric Co	Michigan Power Co	Upper Peninsula Power Co	Minnesota Power & Light Co	Northern States Power Co
Electric Utility Plant						
Utility Plant in Service	11,199,934	49,111	48,077	121,511	1,094,799	4,539,819
Nuclear Fuel	303,144	0	0	0	0	583,763
Leased to Others	0	0	0	0	0	2,524
Held for Future Use	20,014	0	0	162	9,680	1,527
Construction Work in Progress	62,479	102	1,916	1,368	9,488	99,907
Acquisition Adjustments	0	364	0	3,576	190	0
Total Electric Utility Plant	11,585,571	49,576	49,993	126,616	1,114,156	5,227,539
Accumulated Provisions for Depreciation and Amortization	2,750,360	17,425	15,649	48,065	353,461	2,070,675
Net Electric Utility Plant	8,835,211	32,151	34,344	78,551	760,695	3,156,864
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	0	331,278
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	6,196
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	0	337,474
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	126,684
Net Gas Utility Plant	0	0	0	0	0	210,790
Other Utility Plant						
Utility Plant in Service	59,456	0	0	0	0	144,527
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	3,961
Construction Work in Progress	568	0	0	0	0	5,535
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	60,024	0	0	0	0	154,022
Accumulated Provisions for Depreciation and Amortization	23,622	0	0	0	0	69,309
Net Other Utility Plant	36,401	0	0	0	0	84,714
Total Utility Plant						
Utility Plant in Service	11,259,390	49,111	48,077	121,511	1,094,799	5,015,624
Nuclear Fuel	303,144	0	0	0	0	583,763
Leased to Others	0	0	0	0	0	2,524
Held for Future Use	20,014	0	0	162	9,680	5,488
Construction Work in Progress	63,046	102	1,916	1,368	9,488	111,637
Acquisition Adjustments	0	364	0	3,576	190	0
Total Utility Plant	11,645,594	49,576	49,993	126,616	1,114,156	5,719,036
Accumulated Provisions for Depreciation and Amortization	2,773,982	17,425	15,649	48,065	353,461	2,266,668
Net Total Utility Plant	8,871,612	32,151	34,344	78,551	760,695	3,452,368
Intangible Plant						
Organization	0	1	8	2	100	0
Franchises and Consents	0	17	49	28	59	0
Miscellaneous Intangible Plant	0	0	0	0	6,435	467
Total Intangible Plant	0	17	57	30	6,594	467
Steam Production Plant						
Land and Land Rights	13,172	0	0	12	4,862	7,429
Structures and Improvements	665,314	0	0	1,375	96,938	271,870
Boiler Plant Equipment	2,819,454	0	0	3,519	352,889	869,670
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	597,994	0	0	1,414	79,107	222,056
Accessory Electric Equipment	144,772	0	0	502	67,427	135,707
Miscellaneous Power Plant Equipment	19,063	0	0	158	5,333	50,806
Total Steam Production Plant	4,259,769	0	0	6,980	606,557	1,557,538

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Michigan Detroit Edison Co	Michigan Edison Sault Electric Co	Michigan Michigan Power Co	Michigan Upper Peninsula Power Co	Minnesota Minnesota Power & Light Co	Minnesota Northern States Power Co
Nuclear Production Plant						
Land and Land Rights	1,887	0	0	0	0	705
Structures and Improvements	673,846	0	0	0	0	226,559
Reactor Plant Equipment	2,061,214	0	0	0	0	542,310
Turbogenerator Units	247,605	0	0	0	0	150,944
Accessory Electric Equipment	191,853	0	0	0	0	81,712
Miscellaneous Power Plant Equipment	114,401	0	0	0	0	103,296
Total Nuclear Production Plant	3,290,806	0	0	0	0	1,105,525
Hydraulic Production Plant						
Land and Land Rights	2,376	68	132	725	4,496	1,750
Structures and Improvements	19,005	724	483	438	3,843	432
Reservoirs, Dams and Waterways	112,470	1,118	1,182	7,469	15,976	2,512
Water Wheels, Turbines and Generators	24,936	1,958	211	624	9,997	1,042
Accessory Electric Equipment	6,305	2,798	136	554	5,986	279
Miscellaneous Power Plant Equipment	1,440	165	40	301	468	37
Roads, Railroads and Bridges	1,863	0	1	191	51	0
Total Hydraulic Production Plant	168,395	6,810	2,184	10,301	40,817	6,052
Other Production Plant						
Land and Land Rights	0	0	0	63	0	1,005
Structures and Improvements	687	0	0	460	0	2,328
Fuel Holders, Producers and Accessories	1,768	6	0	355	0	3,336
Prime Movers	9,491	0	0	2,220	0	0
Generators	35,375	435	0	1,016	0	57,918
Accessory Electric Equipment	5,332	65	0	408	0	2,743
Miscellaneous Power Plant Equipment	0	1	0	28	0	291
Total Other Production Plant	52,653	508	0	4,549	0	67,621
Total Production Plant	7,771,622	7,318	2,184	21,831	647,374	2,736,737
Transmission Plant						
Land and Land Rights	45,786	359	614	2,401	5,904	34,564
Structures and Improvements	43,104	193	173	414	2,592	7,410
Station Equipment	386,995	4,126	2,566	10,601	60,516	178,870
Towers and Fixtures	148,213	0	196	136	3,509	92,349
Poles and Fixtures	41,317	2,125	2,019	15,130	42,247	82,268
Overhead Conductors and Devices	141,255	1,879	2,362	9,056	38,222	102,057
Underground Conduit	73,985	0	0	0	0	4,784
Underground Conductors and Devices	120,089	2,947	0	267	0	4,320
Roads and Trails	0	0	0	57	55	0
Total Transmission Plant	1,000,744	11,629	7,930	38,062	153,045	506,623
Distribution Plant						
Land and Land Rights	7,710	36	234	186	1,004	4,038
Structures and Improvements	43,231	52	207	250	2,561	16,519
Station Equipment	281,831	2,391	4,022	5,465	34,522	166,126
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	268,659	6,645	8,536	14,424	33,936	120,392
Overhead Conductors and Devices	480,888	4,078	6,580	8,922	37,883	130,476
Underground Conduit	74,919	62	410	377	4,373	61,298
Underground Conductors and Devices	257,748	3,695	1,277	3,218	22,070	256,553
Line Transformers	225,698	5,057	8,879	7,461	31,202	199,317
Services	128,324	2,188	1,983	3,314	9,726	99,706
Meters	97,174	1,614	2,952	3,334	11,650	74,308
Installations on Customers Premises	15,058	308	381	316	105	822
Leased Property on Customers Premises	0	0	0	0	685	179
Street Lighting and Signal Systems	97,493	612	496	1,096	1,804	18,973
Total Distribution Plant	1,978,734	26,737	35,959	48,963	191,522	1,148,707

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
	Detroit Edison Co	Edison Sault Electric Co	Michigan Power Co	Upper Peninsula Power Co	Minnesota Power & Light Co	Northern States Power Co
General Plant						
Land and Land Rights	7,968	37	96	307	2,106	4,637
Structures and Improvements	131,504	1,067	594	4,039	31,613	37,232
Office Furniture and Equipment	79,338	487	136	2,361	18,304	4,560
Transportation Equipment	652	324	3	4,152	12,584	40,405
Stores Equipment	3,915	18	70	69	895	1,603
Tools, Shop and Garage Equipment	35,411	295	229	560	2,302	11,660
Laboratory Equipment	6,958	64	156	352	3,219	4,386
Power Operated Equipment	155	961	25	268	1,343	6,045
Communication Equipment	31,409	157	187	498	23,339	36,302
Miscellaneous Equipment	1,932	0	73	16	359	357
Subtotal General Plant	299,241	3,410	1,569	12,624	96,264	147,187
Other Tangible Property	149,593	0	378	0	0	84
Total General Plant	448,834	3,410	1,947	12,624	96,264	147,271
Electric Plant Purchased and Sold (net)	0	0	0	0	0	15
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	11,199,934	49,111	48,077	121,511	1,094,799	4,539,819
Additions						
Intangible Plant	0	0	0	17	318	0
Production Plant						
Steam Production Plant	17,427	0	0	29	3,702	21,804
Nuclear Production Plant	8,472	0	0	0	0	42,037
Hydraulic Production Plant	0	1,770	445	152	1,024	15
Other Production Plant	37	0	0	5	0	2
Total Production Plant	25,937	1,770	445	186	4,726	63,858
Transmission Plant	58,836	244	329	1,439	2,649	11,679
Distribution Plant	157,887	1,272	2,672	2,720	11,770	79,091
General Plant	23,516	140	47	1,237	4,758	18,739
Electric Plant Purchased	0	-49	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	266,176	3,377	3,492	5,600	24,221	173,368
Retirements						
Intangible Plant	0	0	0	4	0	0
Production Plant						
Steam Production Plant	3,354	0	0	0	1,660	3,464
Nuclear Production Plant	8	0	0	0	0	3,950
Hydraulic Production Plant	0	57	36	20	155	3
Other Production Plant	10	637	0	0	0	3
Total Production Plant	3,371	694	36	20	1,815	7,420
Transmission Plant	5,652	2	29	76	212	1,957
Distribution Plant	19,439	119	582	610	2,048	10,534
General Plant	3,306	136	157	635	1,585	4,910
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	31,768	951	804	1,346	5,660	24,822

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Minnesota	Mississippi	Mississippi	Mississippi	Missouri	Missouri
Item	Otter Tail Power Co	Mississippi Power & Light Co	Mississippi Power Co	System Energy Resources Inc	Empire District Electric Co	Kansas City Power & Light Co
Electric Utility Plant						
Utility Plant in Service	604,824	1,234,454	1,001,018	3,514,221	440,701	2,914,731
Nuclear Fuel	0	0	0	150,567	0	79,079
Leased to Others	0	0	36,368	0	0	0
Held for Future Use	45	3,729	447	5,575	0	2,091
Construction Work in Progress	9,781	17,131	27,057	14,446	14,001	43,442
Acquisition Adjustments	1,647	590	0	0	0	140
Total Electric Utility Plant	616,298	1,255,905	1,084,890	3,684,809	454,703	3,039,481
Accumulated Provisions for Depreciation and Amortization	212,004	465,894	366,193	273,777	142,325	819,543
Net Electric Utility Plant	404,294	790,011	718,697	3,411,032	312,378	2,219,941
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Gas Utility Plant	0	0	0	0	0	0
Other Utility Plant						
Utility Plant in Service	0	0	0	0	3,539	21,800
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	13	4
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	3,551	21,804
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	1,172	19,700
Net Other Utility Plant	0	0	0	0	2,379	2,103
Total Utility Plant						
Utility Plant in Service	604,824	1,234,454	1,001,018	3,514,221	444,240	2,936,531
Nuclear Fuel	0	0	0	150,567	0	79,079
Leased to Others	0	0	36,368	0	0	0
Held for Future Use	45	3,729	447	5,575	0	2,091
Construction Work in Progress	9,781	17,131	27,057	14,446	14,014	43,446
Acquisition Adjustments	1,647	590	0	0	0	140
Total Utility Plant	616,298	1,255,905	1,084,890	3,684,809	458,254	3,061,287
Accumulated Provisions for Depreciation and Amortization	212,004	465,894	366,193	273,777	143,497	839,243
Net Total Utility Plant	404,294	790,011	718,697	3,411,032	314,757	2,222,044
Intangible Plant						
Organization	0	0	0	0	30	72
Franchises and Consents	0	0	0	0	0	23
Miscellaneous Intangible Plant	2,361	0	0	0	122	0
Total Intangible Plant	2,361	0	0	0	152	95
Steam Production Plant						
Land and Land Rights	1,241	2,296	3,869	0	484	7,194
Structures and Improvements	53,887	96,419	89,930	0	10,293	46,014
Boiler Plant Equipment	151,980	299,014	272,468	0	76,440	452,779
Engines and Engine-Driven Generators	0	0	0	0	0	0
Turbogenerator Units	40,687	121,999	105,173	0	27,972	118,915
Accessory Electric Equipment	17,598	42,166	48,366	0	6,824	48,561
Miscellaneous Power Plant Equipment	3,730	6,856	10,654	0	2,041	9,308
Total Steam Production Plant	269,123	568,748	530,459	0	124,055	682,769

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Minnesota	Mississippi	Mississippi	Mississippi	Missouri	Missouri
Item	Otter Tail Power Co.	Mississippi Power & Light Co.	Mississippi Power Co.	System Energy Resources Inc.	Empire District Electric Co.	Kansas City Power & Light Co.
Nuclear Production Plant						
Land and Land Rights	0	0	0	902	0	3,410
Structures and Improvements	0	0	0	1,143,683	0	399,600
Reactor Plant Equipment	0	0	0	898,162	0	523,418
Turbogenerator Units	0	0	0	893,473	0	181,576
Accessory Electric Equipment	0	0	0	415,101	0	140,881
Miscellaneous Power Plant Equipment	0	0	0	236,227	0	56,734
Total Nuclear Production Plant	0	0	0	2,997,548	0	1,305,618
Hydraulic Production Plant						
Land and Land Rights	206	0	0	0	229	0
Structures and Improvements	124	0	0	0	309	0
Reservoirs, Dams and Waterways	1,145	0	0	0	1,398	0
Water Wheels, Turbines and Generators	172	0	0	0	354	0
Accessory Electric Equipment	89	0	0	0	117	0
Miscellaneous Power Plant Equipment	56	0	0	0	168	0
Roads, Railroads and Bridges	0	0	0	0	0	0
Total Hydraulic Production Plant	1,762	0	0	0	2,570	0
Other Production Plant						
Land and Land Rights	26	0	0	0	163	137
Structures and Improvements	351	0	1,051	0	1,865	0
Fuel Holders, Producers and Accessories	652	0	541	0	1,057	957
Pump Movers	8,596	0	3,232	0	26,667	0
Generators	0	0	11,200	0	5,080	34,821
Accessory Electric Equipment	318	0	1,290	0	571	5,053
Miscellaneous Power Plant Equipment	74	0	172	0	1,185	0
Total Other Production Plant	10,017	0	17,487	0	36,588	40,968
Total Production Plant	280,902	568,748	547,946	2,997,548	163,213	2,029,355
Transmission Plant						
Land and Land Rights	271	15,733	12,381	0	4,764	18,876
Structures and Improvements	0	8,951	3,301	0	1,325	2,752
Station Equipment	34,209	128,978	63,130	16,673	34,366	47,219
Towers and Fixtures	4,692	33,991	22,437	0	482	3,910
Poles and Fixtures	41,134	33,660	17,314	0	14,500	41,770
Overhead Conductors and Devices	33,267	67,649	28,953	0	23,898	37,640
Underground Conduit	0	0	0	0	0	2,582
Underground Conductors and Devices	70	0	0	0	0	2,637
Roads and Trails	0	0	40	0	0	0
Total Transmission Plant	113,643	288,372	147,567	16,673	79,335	157,387
Distribution Plant						
Land and Land Rights	663	3,704	1,485	0	809	11,832
Structures and Improvements	0	4,207	2,771	0	4,909	4,893
Station Equipment	28,996	57,835	46,757	0	21,201	81,871
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	26,602	60,165	34,988	0	35,883	99,418
Overhead Conductors and Devices	24,241	54,275	33,340	0	37,640	83,509
Underground Conduit	22	2,448	372	0	3,157	49,938
Underground Conductors and Devices	20,542	12,245	7,779	0	8,208	114,615
Line Transformers	26,784	77,298	50,620	0	28,467	108,460
Services	14,300	24,678	27,008	0	15,189	32,753
Meters	15,375	18,314	14,919	0	8,172	46,540
Installations on Customers Premises	1,875	0	0	0	3,800	3,214
Leased Property on Customers Premises	0	0	0	0	0	0
Street Lighting and Signal Systems	2,334	15,074	9,200	0	4,241	47,544
Total Distribution Plant	161,736	330,243	229,238	0	171,677	684,587

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Minnesota	Mississippi	Mississippi	Mississippi	Missouri	Missouri
	Other Tail Power Co.	Mississippi Power & Light Co.	Mississippi Power Co.	System Energy Production Inc.	Empire District Electric Corp.	Kansas City Power & Light Co.
General Plant						
Land and Land Rights	888	2,573	8,171	0	499	2,299
Structures and Improvements	15,161	18,148	26,790	0	8,857	15,872
Office Furniture and Equipment	8,812	3,930	14,787	0	4,225	4,318
Transportation Equipment	11,453	11,460	13,769	0	2,989	3,888
Stores Equipment	581	251	1,905	0	167	466
Tools, Shop and Garage Equipment	2,396	1,550	1,412	0	939	1,511
Laboratory Equipment	1,437	254	2,515	0	587	1,341
Power Operated Equipment	368	164	1,203	0	4,096	1,156
Communication Equipment	8,187	8,297	1,243	0	1,954	12,030
Miscellaneous Equipment	7	280	1,311	0	100	423
Subtotal General Plant	46,182	47,092	76,546	0	26,324	43,307
Other Tangible Property	0	0	279	500,000	0	0
Total General Plant	46,182	47,092	76,267	500,000	26,324	43,307
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	604,824	1,234,454	1,001,018	3,514,221	440,701	2,914,731
Additions						
Intangible Plant	455	0	0	0	0	0
Production Plant						
Steam Production Plant	1,235	2,311	21,453	0	7,996	13,786
Nuclear Production Plant	0	0	0	133,130	0	4,267
Hydraulic Production Plant	9	4	0	0	91	0
Other Production Plant	1	0	48	0	1,277	121
Total Production Plant	1,245	2,311	23,408	133,130	9,364	17,934
Transmission Plant	8,156	19,456	12,466	95	4,963	12,634
Distribution Plant	8,872	32,243	12,019	0	18,169	51,938
General Plant	2,611	8,931	1,255	0	1,646	1,385
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant unclassified	0	0	0	0	0	0
Total Electric Plant Additions	17,238	52,950	51,148	133,035	24,141	83,892
Retirements						
Intangible Plant	221	0	0	0	0	0
Production Plant						
Steam Production Plant	388	1,537	10,644	0	677	2,399
Nuclear Production Plant	0	0	0	19,674	0	15
Hydraulic Production Plant	2	0	0	0	6	0
Other Production Plant	0	0	32	0	1	0
Total Production Plant	390	1,537	10,677	19,674	683	2,384
Transmission Plant	480	1,731	859	0	275	744
Distribution Plant	7,277	9,509	3,217	0	945	8,772
General Plant	2,539	247	1,141	0	849	940
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	4,410	6,354	16,294	19,674	2,592	12,841

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Gasworks and Others.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Missouri UtelCorp United Inc	Montana Montana Power Co	Nevada Nevada Power Co	Nevada Sierra Pacific Power Co
Electric Utility Plant						
Utility Plant in Service	222,877	6,616,179	617,265	1,230,810	1,104,181	1,057,523
Nuclear Fuel	0	402,389	0	0	0	0
Leased to Others	1,337	0	0	0	0	0
Held for Future Use	0	1,216	1,225	4,472	5,054	58
Construction Work in Progress	2,909	59,429	25,666	13,857	78,398	11,808
Acquisition Adjustments	0	0	2,544	3,106	951	3,503
Total Electric Utility Plant	226,922	7,079,212	641,612	1,252,247	1,188,563	1,065,881
Accumulated Provisions for Depreciation and Amortization	95,812	2,053,269	198,474	313,826	321,778	262,899
Net Electric Utility Plant	131,110	5,025,943	443,139	938,421	866,785	802,982
Gas Utility Plant						
Utility Plant in Service	4,654	113,190	42,239	263,899	0	78,739
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	2,765	0	0
Construction Work in Progress	156	1,901	489	490	0	989
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	4,810	115,091	42,727	267,154	0	79,728
Accumulated Provisions for Depreciation and Amortization	2,302	34,485	11,629	101,335	0	21,966
Net Gas Utility Plant	2,508	80,606	30,898	165,819	0	57,762
Other Utility Plant						
Utility Plant in Service	2,830	12,509	507,421	61,627	0	175,014
Leased to Others	0	0	149	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	195	559	4,680	574	0	7,462
Acquisition Adjustments	0	0	65,445	0	0	0
Total Other Utility Plant	3,025	13,068	577,696	62,201	0	182,476
Accumulated Provisions for Depreciation and Amortization	969	2,991	213,365	13,356	0	34,073
Net Other Utility Plant	2,056	10,077	364,330	48,846	0	148,403
Total Utility Plant						
Utility Plant in Service	230,161	6,741,878	1,166,925	1,556,338	1,104,181	1,311,277
Nuclear Fuel	0	402,389	0	0	0	0
Leased to Others	1,337	0	149	0	0	0
Held for Future Use	0	1,216	1,225	7,238	5,054	58
Construction Work in Progress	3,260	61,889	30,835	14,921	78,398	20,258
Acquisition Adjustments	0	0	62,901	3,106	951	3,508
Total Utility Plant	234,758	7,207,371	1,262,035	1,581,602	1,188,563	1,328,085
Accumulated Provisions for Depreciation and Amortization	99,083	2,090,745	423,668	428,517	321,778	318,937
Net Total Utility Plant	135,675	5,116,626	838,368	1,153,086	866,785	1,009,148
Intangible Plant						
Organization	75	143	0	20	0	26
Franchises and Consents	0	19	0	2	0	6
Miscellaneous Intangible Plant	0	0	0	1,299	0	1,126
Total Intangible Plant	75	161	0	1,321	0	1,158
Steam Production Plant						
Land and Land Rights	289	2,207	655	3,147	1,694	1,376
Structures and Improvements	8,231	151,053	35,482	136,171	57,339	60,733
Boiler Plant Equipment	61,827	858,457	121,904	275,806	257,963	199,028
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	18,081	286,966	41,492	57,574	106,907	63,870
Accessory Electric Equipment	6,514	86,760	14,670	28,598	40,324	39,676
Miscellaneous Power Plant Equipment	1,591	19,712	2,191	8,570	9,106	4,148
Total Steam Production Plant	96,533	1,403,156	216,394	509,866	473,333	368,532

See endnotes at end of individual electric utility.

Table 41. Utility Plant by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

Item	Missouri St. Joseph Light & Power Co.	Missouri Union Electric Co.	Missouri Union Corp. United Inc.	Montana Montana Power Co.	Nevada Nevada Power Co.	Nevada Sierra Pacific Power Co.
Nuclear Production Plant						
Land and Land Rights	0	5,423	0	0	0	0
Structures and Improvements	0	900,554	0	0	0	0
Reactor Plant Equipment	0	839,665	0	0	0	0
Turbogenerator Units	0	349,191	0	0	0	0
Accessory Electric Equipment	0	242,216	0	0	0	0
Miscellaneous Power Plant Equipment	0	130,787	0	0	0	0
Total Nuclear Production Plant	0	2,617,783	0	0	0	0
Hydraulic Production Plant						
Land and Land Rights	0	18,071	0	6,158	0	355
Structures and Improvements	0	10,812	0	11,282	0	400
Reservoirs, Dams and Waterways	0	56,684	0	62,110	0	8,890
Water Wheels, Turbines and Generators	0	26,532	0	18,956	0	567
Accessory Electric Equipment	0	6,502	0	5,720	0	246
Miscellaneous Power Plant Equipment	0	8,145	0	1,769	0	3
Roads, Railroads and Bridges	0	154	0	1,240	0	88
Total Hydraulic Production Plant	0	120,652	0	107,239	0	10,550
Other Production Plant						
Land and Land Rights	0	66	242	0	0	208
Structures and Improvements	1,037	981	410	12	4,220	429
Fuel Holders, Producers and Accessories	578	1,250	992	3	3,014	175
Prime Movers	0	0	699	0	0	2
Generators	9,417	86,181	5,064	744	66,086	7,868
Accessory Electric Equipment	528	3,053	202	94	2,178	1,917
Miscellaneous Power Plant Equipment	30	170	589	2	0	0
Total Other Production Plant	11,630	41,707	9,199	856	75,501	10,596
Total Production Plant	108,163	4,183,298	225,593	617,961	548,834	389,678
Transmission Plant						
Land and Land Rights	1,809	19,244	7,817	10,550	2,891	8,473
Structures and Improvements	114	6,130	143	1,974	1,510	1,617
Station Equipment	11,590	151,358	20,617	97,449	83,083	95,589
Towers and Fixtures	0	72,494	332	27,363	8,794	31,504
Poles and Fixtures	1,851	40,356	21,759	57,235	33,546	46,294
Overhead Conductors and Devices	8,632	86,387	22,151	80,758	22,396	67,038
Underground Conduit	15	0	0	0	0	0
Underground Conductors and Devices	34	0	54	0	0	0
Roads and Trails	0	135	0	1,221	219	420
Total Transmission Plant	29,922	376,106	72,873	276,551	152,439	250,936
Distribution Plant						
Land and Land Rights	205	12,928	1,040	2,509	8,392	3,369
Structures and Improvements	0	9,981	396	918	86	586
Station Equipment	4,747	221,183	59,943	49,324	57,308	27,466
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	10,907	141,283	64,050	48,867	21,398	54,852
Overhead Conductors and Devices	11,270	387,182	40,732	36,713	34,536	55,714
Underground Conduit	1,908	61,810	6,494	4,846	6,174	32,808
Underground Conductors and Devices	4,354	200,166	23,956	19,692	75,716	60,543
Line Transformers	12,176	225,466	52,172	67,638	88,675	69,783
Services	5,093	129,368	25,218	24,852	27,858	34,661
Meters	4,811	79,560	14,977	16,275	21,895	18,010
Installations on Customers Premises	1,316	733	3,430	353	0	5,348
Leased Property on Customers Premises	0	0	0	4	1,095	0
Street Lighting and Signal Systems	814	55,058	9,945	23,054	892	8,710
Total Distribution Plant	63,211	1,787,502	302,353	295,039	346,026	371,850

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Missouri	Missouri	Missouri	Montana	Nevada	Nevada
Item	St Joseph Light & Power Co	Union Electric Co	UtilCorp United Inc	Montana Power Co	Nevada Power Co	Sierra Pacific Power Co
General Plant						
Land and Land Rights	725	6,485	539	568	2,295	1,519
Structures and Improvements	9,792	85,430	6,010	4,683	24,075	4,452
Office Furniture and Equipment	4,795	31,643	515	823	7,593	10,858
Transportation Equipment	3,351	44,710	1,254	13,563	4,820	14,451
Stores Equipment	261	2,384	207	391	330	148
Tools, Shop and Garage Equipment	525	3,934	1,866	3,431	1,704	2,893
Laboratory Equipment	139	4,472	771	2,686	2,423	638
Power Operated Equipment	476	20,101	27	1,561	5,617	172
Communication Equipment	1,190	69,718	5,107	11,252	8,360	5,231
Miscellaneous Equipment	51	245	150	198	45	31
Subtotal General Plant	21,305	269,123	16,446	39,156	56,861	40,393
Other Tangible Property	0	-11	0	783	0	3,508
Total General Plant	21,305	269,112	16,446	39,940	56,861	43,901
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	222,677	6,616,179	617,265	1,230,812	1,104,161	1,057,523
Additions						
Intangible Plant	0	0	0	8	0	866
Production Plant						
Steam Production Plant	376	8,767	12,061	7,683	15,527	10,124
Nuclear Production Plant	0	12,859	0	0	0	0
Hydraulic Production Plant	0	1,069	0	10,519	0	375
Other Production Plant	3,238	9	2	0	162	566
Total Production Plant	3,614	22,704	12,064	18,202	15,689	11,065
Transmission Plant	1,699	4,348	7,063	14,475	17,532	18,538
Distribution Plant	4,590	106,735	24,533	26,149	48,947	31,052
General Plant	1,419	56,789	1,927	2,936	4,849	3,966
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	11,343	190,576	45,586	61,770	87,017	65,487
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	135	1,955	596	7,026	9,620	1,175
Nuclear Production Plant	0	6,289	0	0	0	0
Hydraulic Production Plant	0	14	0	209	0	12
Other Production Plant	10	6	10	0	11	342
Total Production Plant	145	8,251	606	7,235	9,630	1,529
Transmission Plant	79	1,910	35	1,137	94	465
Distribution Plant	282	12,867	2,181	1,740	3,954	4,356
General Plant	312	10,151	70	885	449	355
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	819	32,279	2,823	10,996	12,128	6,706

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item	James River NH Electric Inc.	New England Electric Transmission Corp.	Public Service Co of NH	Atlantic City Electric Co.	Jersey Central Power & Light Co.	Public Service Electric & Gas Co.
Electric Utility Plant						
Utility Plant in Service	27,293	93,162	1,013,434	1,758,423	3,151,472	10,171,883
Nuclear Fuel	0	0	7,589	0	117,245	594,016
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	4,316	6,459	15,581	94,296
Construction Work in Progress	0	0	1,530,065	81,240	155,148	278,399
Acquisition Adjustments	0	0	0	0	0	0
Total Electric Utility Plant	27,293	93,162	2,555,403	1,846,122	3,439,446	11,138,594
Accumulated Provisions for Depreciation and Amortization	12,222	15,139	343,810	459,223	973,882	3,122,568
Net Electric Utility Plant	15,071	78,023	2,211,594	1,386,899	2,465,564	8,016,026
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	0	1,661,724
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	250
Construction Work in Progress	0	0	0	0	0	12,254
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	0	1,674,228
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	682,129
Net Gas Utility Plant	0	0	0	0	0	992,099
Other Utility Plant						
Utility Plant in Service	0	0	0	0	0	357,327
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	54
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	357,382
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	87,511
Net Other Utility Plant	0	0	0	0	0	269,770
Total Utility Plant						
Utility Plant in Service	27,293	93,162	1,013,434	1,758,423	3,151,472	12,190,935
Nuclear Fuel	0	0	7,589	0	117,245	594,016
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	4,316	6,459	15,581	94,546
Construction Work in Progress	0	0	1,530,065	81,240	155,148	290,707
Acquisition Adjustments	0	0	0	0	0	0
Total Utility Plant	27,293	93,162	2,555,403	1,846,122	3,439,446	13,170,204
Accumulated Provisions for Depreciation and Amortization	12,222	15,139	343,810	459,223	973,882	3,892,309
Net Total Utility Plant	15,071	78,023	2,211,594	1,386,899	2,465,564	9,277,895
Intangible Plant						
Organization	0	0	45	0	56	0
Franchises and Consents	0	0	0	0	20	0
Miscellaneous Intangible Plant	0	0	0	0	8,275	0
Total Intangible Plant	0	0	45	0	8,351	0
Steam Production Plant						
Land and Land Rights	0	0	739	1,259	894	9,380
Structures and Improvements	155	0	47,657	50,830	38,400	164,320
Boiler Plant Equipment	0	0	166,083	204,992	67,930	709,390
Engines and Engine Driv in Generators	3,720	0	0	0	0	0
Turbogenerator Units	0	0	55,769	76,741	58,313	224,585
Accessory Electric Equipment	192	0	17,449	19,778	9,256	177,590
Miscellaneous Power Plant Equipment	2	0	9,865	6,879	5,052	27,894
Total Steam Production Plant	4,069	0	297,561	360,428	179,845	1,313,159

See utilities at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item	James River-NH Electric Inc	New England Electric Transmission Corp	Public Service Co of NH	Atlantic City Electric Co	Jersey Central Power & Light Co	Public Service Electric & Gas Co
Nuclear Production Plant						
Land and Land Rights	0	0	8	722	9,104	4,266
Structures and Improvements	0	0	33,730	141,531	242,688	1,586,515
Reactor Plant Equipment	0	0	56,537	215,836	419,805	2,163,016
Turbogenerator Units	0	0	13,885	61,252	85,477	572,086
Accessory Electric Equipment	0	0	10,828	78,485	128,165	934,184
Miscellaneous Power Plant Equipment	0	0	2,380	14,294	75,139	159,833
Total Nuclear Production Plant	0	0	117,368	512,120	960,978	5,419,899
Hydraulic Production Plant						
Land and Land Rights	682	0	1,865	0	284	291
Structures and Improvements	1,066	0	8,208	0	3,346	3,194
Reservoirs, Dams and Waterways	8,576	0	14,760	0	6,835	6,962
Water Wheels, Turbines and Generators	9,720	0	8,127	0	7,019	6,949
Accessory Electric Equipment	1,024	0	2,705	0	1,100	1,212
Miscellaneous Power Plant Equipment	605	0	689	0	1,168	810
Roads, Railroads and Bridges	12	0	138	0	215	204
Total Hydraulic Production Plant	21,684	0	36,491	0	19,966	19,624
Other Production Plant						
Land and Land Rights	0	0	13	307	1,243	54
Structures and Improvements	0	0	364	1,173	59,425	16,653
Fuel Holders, Producers and Accessories	0	0	285	4,582	34,639	14,668
Prime Movers	0	0	606	6,608	113,033	41,092
Generators	0	0	7,315	11,210	8,153	174,089
Accessory Electric Equipment	0	0	88	577	15,930	41,482
Miscellaneous Power Plant Equipment	0	0	91	233	2,942	5,432
Total Other Production Plant	0	0	8,762	24,690	235,365	293,470
Total Production Plant	25,754	0	460,182	897,238	1,396,154	7,046,151
Transmission Plant						
Land and Land Rights	0	390	15,889	16,495	39,458	53,204
Structures and Improvements	0	5,565	2,075	4,605	5,375	25,361
Station Equipment	1,140	74,206	71,456	113,684	174,085	465,523
Towers and Fixtures	0	0	15,938	20,185	36,081	152,599
Poles and Fixtures	271	4,638	37,254	37,277	66,845	63
Overhead Conductors and Devices	0	8,348	27,426	49,681	109,963	90,157
Underground Conduit	0	0	375	6,275	1,152	66,696
Underground Conductors and Devices	0	0	895	20,058	3,647	55,629
Roads and Trails	0	0	831	0	1,977	4,310
Total Transmission Plant	1,410	93,148	172,139	268,258	438,583	913,543
Distribution Plant						
Land and Land Rights	0	0	585	11,947	19,238	25,037
Structures and Improvements	0	0	172	3,049	3,992	64,390
Station Equipment	0	0	14,204	32,344	136,109	318,417
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	0	0	79,375	81,269	188,071	221,188
Overhead Conductors and Devices	0	0	66,167	75,263	204,194	413,805
Underground Conduit	0	0	4,054	18,045	40,801	157,451
Underground Conductors and Devices	0	0	20,585	20,857	92,651	257,913
Line Transformers	0	0	79,364	109,649	215,697	348,712
Services	0	0	27,872	42,294	158,537	135,061
Meters	0	0	33,259	33,729	59,900	99,431
Installations on Customers Premises	0	0	3,732	4,777	2,202	0
Leased Property on Customers Premises	0	0	0	421	0	0
Street Lighting and Signal Systems	0	0	3,125	21,175	54,904	82,221
Total Distribution Plant	0	0	332,496	454,819	1,176,296	2,123,627

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item	James River-NH Electric Inc	New England Electric Transmission Corp	Public Service Co of NH	Atlantic City Electric Co	Jersey Central Power & Light Co	Public Service Electric & Gas Co
General Plant						
Land and Land Rights	0	13	190	655	3,702	0
Structures and Improvements	0	0	7,441	35,018	73,768	421
Office Furniture and Equipment	0	0	11,388	33,190	18,817	24,225
Transportation Equipment	24	0	14,406	14,885	2,800	0
Stores Equipment	0	0	397	614	3,033	1,170
Tools, Shop and Garage Equipment	0	0	2,165	2,300	10,138	6,163
Laboratory Equipment	0	0	1,436	3,177	4,544	6,668
Power Operated Equipment	0	0	343	2,097	699	0
Communication Equipment	18	0	10,110	10,626	6,754	10,658
Miscellaneous Equipment	87	0	697	715	2,861	2,440
Subtotal General Plant	129	13	48,572	103,277	127,118	51,745
Other Tangible Property	0	0	0	34,831	4,970	33,948
Total General Plant	129	13	48,572	138,108	132,088	85,693
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	2,868
Total Electric Utility Plant in Service	27,293	93,162	1,013,434	1,758,423	3,151,472	10,171,883
Additions						
Intangible Plant	0	0	0	0	6	0
Production Plant						
Steam Production Plant	429	0	15,771	25,506	4,213	37,744
Nuclear Production Plant	0	0	414	11,021	74,731	98,043
Hydraulic Production Plant	4,052	0	277	0	228	266
Other Production Plant	0	0	209	3,572	36,603	6,414
Total Production Plant	4,481	0	16,670	40,099	115,776	142,467
Transmission Plant	397	77	8,195	32,455	48,803	38,581
Distribution Plant	0	0	22,055	46,209	101,003	193,237
General Plant	19	0	4,701	15,110	20,339	5,027
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	173
Total Electric Plant Additions	4,897	77	51,621	133,872	285,927	379,485
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	0	0	2,848	4,734	737	7,490
Nuclear Production Plant	0	0	70	1,711	7,708	10,706
Hydraulic Production Plant	0	0	28	0	3	0
Other Production Plant	0	0	3	119	2,896	5,588
Total Production Plant	0	0	2,949	6,565	11,344	23,783
Transmission Plant	0	0	179	831	905	3,752
Distribution Plant	0	0	3,600	6,223	7,864	13,574
General Plant	12	0	1,301	1,438	1,176	1,219
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	12	0	8,029	15,056	21,289	42,328

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	New Jersey	New Mexico	New York	New York	New York	New York
Item	Rockland Electric Co	Public Service Co of NM	Central Hudson Gas & Electric Corp	Consolidated Edison Co-NY Inc	Long Island Lighting Co	Long Sault Inc
Nuclear Production Plant						
Land and Land Rights	0	863	6	1,795	7	0
Structures and Improvements	0	99,835	184,477	190,329	269,056	0
Reactor Plant Equipment	0	124,911	166,753	266,264	303,255	0
Turbogenerator Units	0	49,337	49,344	117,527	83,237	0
Accessory Electric Equipment	0	34,116	84,883	14,172	139,618	0
Miscellaneous Power Plant Equipment	0	12,248	20,141	21,541	96,620	0
Total Nuclear Production Plant	0	321,310	505,604	611,627	891,794	0
Hydraulic Production Plant						
Land and Land Rights	0	0	1,202	0	0	0
Structures and Improvements	0	0	2,400	0	0	0
Reservoirs, Dams and Waterways	0	0	7,963	0	0	0
Water Wheels, Turbines and Generators	0	0	4,550	0	0	0
Accessory Electric Equipment	0	0	1,571	0	0	0
Miscellaneous Power Plant Equipment	0	0	126	0	0	0
Roads, Railroads and Bridges	0	0	0	0	0	0
Total Hydraulic Production Plant	0	0	17,811	0	0	0
Other Production Plant						
Land and Land Rights	0	0	11	4,040	364	0
Structures and Improvements	0	123	280	17,044	5,500	0
Fuel Holders, Producers and Accessories	0	303	217	17,432	8,963	0
Prime Movers	0	0	2,053	0	0	0
Generators	0	2,323	645	173,269	183,132	0
Accessory Electric Equipment	0	33	234	27,847	3,533	0
Miscellaneous Power Plant Equipment	0	19	4	0	1,502	0
Total Other Production Plant	0	2,801	3,443	239,632	202,993	0
Total Production Plant	0	1,235,975	855,358	2,613,990	1,725,611	0
Transmission Plant						
Land and Land Rights	1,922	15,783	8,098	33,569	18,510	12
Structures and Improvements	549	4,731	2,348	48,553	4,232	86
Station Equipment	7,367	81,071	45,701	767,598	136,757	6,730
Towers and Fixtures	644	13,690	1,881	139,960	6,103	1,089
Poles and Fixtures	2,024	51,799	11,309	0	42,060	158
Overhead Conductors and Devices	2,712	45,042	14,043	81,682	71,168	446
Underground Conduit	2,128	1,759	15	297,759	39,388	0
Underground Conductors and Devices	2,277	90	5,681	176,236	72,777	0
Roads and Trails	86	498	0	0	0	14
Total Transmission Plant	19,709	214,464	89,076	1,545,356	390,995	8,535
Distribution Plant						
Land and Land Rights	531	1,607	1,194	26,839	2,203	0
Structures and Improvements	788	3,177	1,166	92,272	2,330	0
Station Equipment	10,177	34,352	33,109	621,936	106,938	0
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	12,521	45,691	42,015	161,724	122,246	0
Overhead Conductors and Devices	14,924	44,316	56,718	249,444	151,381	0
Underground Conduit	2,625	37,939	7,492	877,723	51,354	0
Underground Conductors and Devices	8,294	75,437	16,864	1,370,845	127,540	0
Line Transformers	15,037	64,320	51,487	773,094	228,674	0
Services	8,197	29,868	12,246	366,607	74,625	0
Meters	4,004	20,606	17,522	195,541	63,774	0
Installations on Customers Premises	89	6,870	853	3,713	5,539	0
Leased Property on Customers Premises	0	0	16	0	0	0
Street Lighting and Signal Systems	2,356	11,846	5,407	74,288	14,785	0
Total Distribution Plant	79,543	376,029	246,089	4,816,025	951,390	0

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	New Jersey	New Mexico	New York	New York	New York	New York
Item	Rockland Electric Co	Public Service Co of NM	Central Hudson Gas & Electric Corp	Consolidated Edison Co-NY Inc	Long Island Lighting Co	Long Sault Inc
General Plant						
Land and Land Rights	154	1,445	12	0	33	0
Structures and Improvements	395	19,089	489	0	2,203	0
Office Furniture and Equipment	83	4,258	452	0	372	100
Transportation Equipment	1,030	9,028	77	0	21,557	30
Stores Equipment	3	1,228	45	0	19	0
Tools, Shop and Garage Equipment	45	4,729	3	0	8,778	0
Laboratory Equipment	24	1,483	0	0	3,976	4
Power Operated Equipment	0	7,198	0	0	505	0
Communication Equipment	237	14,369	885	0	1,834	36
Miscellaneous Equipment	16	319	1	0	950	0
Subtotal General Plant	1,988	63,148	1,964	0	40,227	170
Other Tangible Property	0	0	-209,181	0	0	0
Total General Plant	1,988	63,148	-207,217	0	40,227	170
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	101,246	1,920,494	983,353	8,975,371	3,108,223	8,706
Additions						
Intangible Plant	0	18,364	0	0	0	0
Production Plant						
Steam Production Plant	0	4,490	4,200	83,307	12,974	0
Nuclear Production Plant	0	0	209,753	21,016	493	0
Hydraulic Production Plant	0	0	93	0	0	0
Other Production Plant	0	0	0	2,098	83,066	0
Total Production Plant	0	4,490	214,047	106,421	96,534	0
Transmission Plant	16	3,751	2,584	34,676	-24,466	351
Distribution Plant	6,351	18,040	16,145	316,201	102,978	0
General Plant	523	152	-208,459	0	748	0
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	6,891	44,806	24,316	457,298	175,795	351
Retirements						
Intangible Plant	0	35	0	0	0	0
Production Plant						
Steam Production Plant	0	1,092	699	7,337	18	0
Nuclear Production Plant	0	0	77	2,491	0	0
Hydraulic Production Plant	0	0	16	0	0	0
Other Production Plant	0	0	0	2,509	9	0
Total Production Plant	0	1,092	792	12,338	27	0
Transmission Plant	1,835	32	167	2,866	317	125
Distribution Plant	949	3,162	1,966	84,154	18,776	0
General Plant	38	1,885	13	0	1,523	0
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	2,822	6,210	2,938	99,358	20,643	125

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	New York	New York	New York	New York	North Carolina	North Carolina
Item	New York State Electric & Gas Corp	Niagara Mohawk Power Corp	Orange & Rockland Utilities Inc	Rochester Gas & Electric Corp	Carolina Power & Light Co	Duke Power Co
Electric Utility Plant						
Utility Plant in Service	4,109,247	6,696,941	680,184	1,605,402	8,164,135	9,594,052
Nuclear Fuel	35,734	379,457	0	218,501	427,003	1,854,001
Leased to Others	0	2,049	0	0	0	0
Held for Future Use	6,015	3,348	1,842	1,978	14,210	137,010
Construction Work in Progress	66,925	336,482	24,057	56,132	148,132	1,096,198
Acquisition Adjustments	0	0	0	1,958	3,671	7,922
Total Electric Utility Plant	4,217,920	7,418,277	706,082	1,883,971	8,757,150	12,689,183
Accumulated Provisions for Depreciation and Amortization	975,575	2,048,604	200,862	652,182	2,080,761	4,771,888
Net Electric Utility Plant	3,242,345	5,369,673	505,201	1,231,789	6,676,388	7,917,295
Gas Utility Plant						
Utility Plant in Service	139,002	650,175	141,250	286,104	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	24	0	24	0	0	0
Construction Work in Progress	2,917	32,692	5,423	6,781	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	201,942	682,867	146,696	292,885	0	0
Accumulated Provisions for Depreciation and Amortization	63,492	182,285	52,612	93,543	0	0
Net Gas Utility Plant	138,450	500,582	94,085	199,342	0	0
Other Utility Plant						
Utility Plant in Service	128,626	148,611	43,993	93,794	0	35,688
Leased to Others	0	0	0	0	0	0
Held for Future Use	131	0	0	0	0	0
Construction Work in Progress	26,583	18,347	1,310	5,872	0	142
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	155,340	166,958	45,303	99,665	0	35,830
Accumulated Provisions for Depreciation and Amortization	24,563	36,433	11,503	39,977	0	9,569
Net Other Utility Plant	130,777	130,526	33,800	59,688	0	26,261
Total Utility Plant						
Utility Plant in Service	4,436,875	7,495,727	865,427	1,985,300	8,164,135	9,629,739
Nuclear Fuel	35,734	379,457	0	218,501	427,003	1,854,001
Leased to Others	0	2,049	0	0	0	0
Held for Future Use	6,170	3,348	1,865	1,978	14,210	137,010
Construction Work in Progress	96,424	387,520	30,789	68,784	148,132	1,096,340
Acquisition Adjustments	0	0	0	1,958	3,671	7,922
Total Utility Plant	4,575,202	8,268,102	898,082	2,276,521	8,757,150	12,725,012
Accumulated Provisions for Depreciation and Amortization	1,063,630	2,267,322	264,996	785,703	2,080,761	4,781,457
Net Total Utility Plant	3,511,572	6,000,780	633,086	1,490,819	6,676,388	7,943,555
Intangible Plant						
Organization	0	0	0	0	177	0
Franchises and Consents	115	49	21	0	0	0
Miscellaneous Intangible Plant	1,468	0	0	0	0	0
Total Intangible Plant	1,583	49	21	0	177	0
Steam Production Plant						
Land and Land Rights	6,022	7,382	4,502	559	26,159	16,529
Structures and Improvements	331,039	269,857	44,792	39,176	199,899	178,971
Boiler Plant Equipment	343,455	680,091	198,296	96,666	743,785	602,604
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	228,688	280,331	43,944	41,864	275,578	246,835
Accessory Electric Equipment	136,645	72,765	22,835	14,694	88,771	68,114
Miscellaneous Power Plant Equipment	12,698	14,301	2,930	3,477	19,619	19,538
Total Steam Production Plant	1,658,548	1,324,727	317,300	196,437	1,353,810	1,132,592

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
Nuclear Production Plant						
Land and Land Rights	0	922	0	465	55,340	2,150
Structures and Improvements	349,770	614,555	0	234,133	1,838,841	949,641
Reactor Plant Equipment	243,340	851,544	0	345,795	1,274,812	1,577,659
Turbogenerator Units	78,654	201,666	0	89,849	415,186	455,387
Accessory Electric Equipment	67,192	268,372	0	105,380	669,406	271,995
Miscellaneous Power Plant Equipment	455	116,915	0	62,906	77,023	140,020
Total Nuclear Production Plant	739,411	2,053,973	0	839,427	4,176,562	3,396,852
Hydraulic Production Plant						
Land and Land Rights	6,348	25,695	1,956	1,741	2,148	44,764
Structures and Improvements	11,445	31,802	1,665	2,708	3,973	36,989
Reservoirs, Dams and Waterways	24,980	167,696	18,367	8,640	22,986	115,339
Water Wheels, Turbines and Generators	36,297	52,162	2,120	2,747	12,360	65,181
Accessory Electric Equipment	7,257	14,165	953	1,109	3,034	14,214
Miscellaneous Power Plant Equipment	1,303	2,180	346	17	428	6,787
Roads, Railroads and Bridges	26	1,081	61	149	18	1,192
Total Hydraulic Production Plant	88,155	294,781	25,468	17,111	44,946	284,466
Other Production Plant						
Land and Land Rights	22	0	3	0	258	3
Structures and Improvements	6	1,212	602	0	12,456	50
Fuel Holders, Producers and Accessories	28	920	156	101	11,627	231
Prime Movers	362	0	385	0	32,528	575
Generators	175	17,540	2,867	3,347	11,769	64,850
Accessory Electric Equipment	112	1,434	484	282	5,419	455
Miscellaneous Power Plant Equipment	0	15	7	0	668	211
Total Other Production Plant	705	21,121	4,504	3,730	74,724	66,375
Total Production Plant	2,486,818	3,694,603	347,271	1,056,705	5,650,043	4,880,284
Transmission Plant						
Land and Land Rights	42,465	84,589	7,385	6,612	92,828	105,690
Structures and Improvements	6,405	12,224	4,569	5,667	28,559	12,405
Station Equipment	218,474	419,561	44,869	75,691	299,688	512,156
Towers and Fixtures	17,057	115,924	4,041	4,287	53,625	260,666
Poles and Fixtures	114,766	176,395	15,641	14,560	122,313	50,890
Overhead Conductors and Devices	117,255	143,607	14,660	12,990	187,003	209,864
Underground Conduit	1,112	17,542	1,243	12,094	0	54
Underground Conductors and Devices	4,651	46,826	1,480	23,814	0	864
Roads and Trails	0	52	732	-75	15	0
Total Transmission Plant	522,185	1,016,721	94,620	155,637	784,030	1,152,588
Distribution Plant						
Land and Land Rights	29,704	5,355	1,036	5,586	32,742	11,571
Structures and Improvements	1,156	8,359	1,131	5,026	16,765	8,476
Station Equipment	86,366	161,830	23,932	46,144	168,886	297,159
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	228,241	354,954	43,111	39,013	187,464	509,438
Overhead Conductors and Devices	238,258	353,458	41,445	44,168	227,931	405,391
Underground Conduit	12,268	67,952	4,878	67,091	20,525	85,476
Underground Conductors and Devices	57,536	138,297	21,958	44,590	156,059	263,251
Line Transformers	220,980	339,841	43,707	61,939	344,148	639,390
Services	80,874	172,662	14,030	19,793	127,099	251,140
Meters	72,891	93,310	11,947	26,702	105,045	144,744
Installations on Customers Premises	3,827	4,502	0	0	37,955	107,913
Leased Property on Customers Premises	0	0	0	0	0	0
Street Lighting and Signal Systems	28,868	94,278	7,269	21,314	30,066	49,069
Total Distribution Plant	1,060,969	1,794,798	214,445	381,366	1,454,684	2,773,018

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
General Plant						
Land and Land Rights	933	3,049	13	65	5,895	23,006
Structures and Improvements	22,985	76,703	3,255	1,596	41,557	325,367
Office Furniture and Equipment	1,356	38,671	6,172	364	28,078	113,210
Transportation Equipment	609	1,219	9,618	0	48,206	99,988
Stores Equipment	302	1,405	80	0	1,766	6,891
Tools, Shop and Garage Equipment	1,505	12,919	738	2,806	3,783	30,247
Laboratory Equipment	2,731	9,056	1,434	2,063	27,283	28,943
Power Operated Equipment	6,034	764	1,136	0	1,879	44,159
Communication Equipment	1,069	23,613	1,270	4,295	60,270	109,225
Miscellaneous Equipment	147	23,372	108	5	1,131	7,124
Subtotal General Plant	37,692	190,770	23,827	11,195	219,846	788,161
Other Tangible Property	0	0	0	500	55,354	0
Total General Plant	37,692	190,770	23,827	11,694	275,200	788,161
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	4,109,247	6,696,941	680,184	1,605,402	8,164,135	9,594,052
Additions						
Intangible Plant	84	0	0	0	0	0
Production Plant						
Steam Production Plant	31,955	24,311	8,721	1,786	45,138	96,245
Nuclear Production Plant	3,506	26,367	0	30,376	97,330	36,728
Hydraulic Production Plant	8,192	18,619	69	891	344	1,852
Other Production Plant	0	2,077	321	58	671	599
Total Production Plant	43,652	71,373	9,111	33,111	143,484	135,424
Transmission Plant	11,916	32,605	2,706	2,989	24,955	45,911
Distribution Plant	72,654	125,556	23,485	16,731	164,589	312,396
General Plant	1,947	24,332	2,172	2,310	21,387	173,518
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	130,254	253,667	37,474	55,142	354,415	667,249
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	9,498	5,247	1,317	303	1,886	14,417
Nuclear Production Plant	95	2,726	0	346	2,117	4,407
Hydraulic Production Plant	12	165	8	222	2	12
Other Production Plant	0	1,020	324	0	56	452
Total Production Plant	9,605	9,158	1,649	872	4,062	19,287
Transmission Plant	128	3,973	176	295	2,462	3,032
Distribution Plant	12,367	12,816	3,708	2,638	23,823	22,198
General Plant	850	443	1,169	115	3,637	8,020
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	22,949	26,391	6,702	3,920	33,983	52,537

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	North Carolina	North Carolina	North Dakota	Ohio	Ohio	Ohio
Item	Nantahala Power & Light Co	Yadkin Inc	MDU Resources Group Inc	Cincinnati Gas & Electric Co	Cleveland Electric Illum Co	Columbus Southern Power Co
Electric Utility Plant						
Utility Plant in Service	97,344	49,822	429,151	2,408,655	5,878,825	1,627,968
Nuclear Fuel	0	0	0	0	309,182	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	378	0	0	2,644	6,775	14,709
Construction Work in Progress	5,765	1,626	3,448	1,204,665	720,158	733,736
Acquisition Adjustments	0	0	9,024	0	0	0
Total Electric Utility Plant	103,487	51,448	441,622	3,615,963	6,914,940	2,376,413
Accumulated Provisions for Depreciation and Amortization	54,815	33,433	174,293	896,672	1,275,816	586,963
Net Electric Utility Plant	48,671	18,015	267,329	2,719,292	5,639,124	1,789,451
Gas Utility Plant						
Utility Plant in Service	0	0	100,704	336,695	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	57	0	0
Construction Work in Progress	0	0	460	1,834	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	101,164	341,586	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	48,124	102,398	0	0
Net Gas Utility Plant	0	0	53,041	239,188	0	0
Other Utility Plant						
Utility Plant in Service	0	0	34,259	86,734	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	353	2,661	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	34,612	89,395	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	14,603	7,008	0	0
Net Other Utility Plant	0	0	20,010	82,386	0	0
Total Utility Plant						
Utility Plant in Service	97,344	49,822	564,114	2,832,084	5,878,825	1,627,968
Nuclear Fuel	0	0	0	0	309,182	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	378	0	0	2,701	6,775	14,709
Construction Work in Progress	5,765	1,626	4,261	1,212,159	720,158	733,736
Acquisition Adjustments	0	0	9,024	0	0	0
Total Utility Plant	103,487	51,448	577,399	4,046,943	6,914,940	2,376,413
Accumulated Provisions for Depreciation and Amortization	54,815	33,433	237,019	1,006,078	1,275,816	586,963
Net Total Utility Plant	48,671	18,015	340,379	3,040,866	5,639,124	1,789,451
Intangible Plant						
Organization	0	0	0	0	0	0
Franchises and Consents	192	0	0	0	0	0
Miscellaneous Intangible Plant	0	0	0	0	0	0
Total Intangible Plant	192	0	0	0	0	0
Steam Production Plant						
Land and Land Rights	0	0	889	5,336	8,317	897
Structures and Improvements	0	0	38,172	173,871	163,360	63,272
Boiler Plant Equipment	0	0	124,586	753,883	626,275	428,273
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	0	0	28,706	267,200	122,527	143,362
Accessory Electric Equipment	0	0	12,360	90,379	68,733	47,817
Miscellaneous Power Plant Equipment	0	0	2,857	15,531	28,405	14,122
Total Steam Production Plant	0	0	207,570	1,306,201	1,017,616	697,743

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	North Carolina	North Carolina	North Dakota	Ohio	Ohio	Ohio
Item	Nantahala Power & Light Co	Yadkin Inc	MDU Resources Group Inc	Cincinnati Gas & Electric Co	Cleveland Electric Illum Co	Columbus Southern Power Co
Nuclear Production Plant						
Land and Land Rights	0	0	0	0	1,581	0
Structures and Improvements	0	0	0	0	130,460	0
Reactor Plant Equipment	0	0	0	0	3,048,957	0
Turbogenerator Units	0	0	0	0	57,728	0
Accessory Electric Equipment	0	0	0	0	51,476	0
Miscellaneous Power Plant Equipment	0	0	0	0	65,564	0
Total Nuclear Production Plant	0	0	0	0	3,355,766	0
Hydraulic Production Plant						
Land and Land Rights	847	6,772	0	0	0	0
Structures and Improvements	1,597	789	0	0	7,705	0
Reservoirs, Dams and Waterways	21,934	17,287	0	0	29,934	0
Water Wheels, Turbines and Generators	2,245	12,557	0	0	13,539	0
Accessory Electric Equipment	793	3,989	0	0	3,427	0
Miscellaneous Power Plant Equipment	183	736	0	0	1,695	0
Roads, Railroads and Bridges	378	147	0	0	0	0
Total Hydraulic Production Plant	27,975	42,278	0	0	56,300	0
Other Production Plant						
Land and Land Rights	0	0	48	13	0	0
Structures and Improvements	0	0	448	1,534	0	0
Fuel Holders, Producers and Accessories	0	0	179	2,560	693	0
Prime Movers	0	0	0	2,966	0	0
Generators	0	0	8,789	45,961	6,595	0
Accessory Electric Equipment	0	0	139	2,134	0	0
Miscellaneous Power Plant Equipment	0	0	18	440	0	0
Total Other Production Plant	0	0	9,621	55,608	7,287	0
Total Production Plant	27,975	42,278	217,191	1,361,810	4,436,969	697,743
Transmission Plant						
Land and Land Rights	1,113	8	3,189	24,204	60,096	24,261
Structures and Improvements	0	96	0	6,367	15,324	5,256
Station Equipment	6,741	4,753	49,690	138,854	168,737	114,182
Towers and Fixtures	384	543	4,468	35,588	82,167	32,840
Poles and Fixtures	1,959	10	22,285	25,434	55,255	26,144
Overhead Conductors and Devices	1,943	1,332	22,953	56,319	80,649	46,184
Underground Conduit	0	0	0	1,238	28,374	7,416
Underground Conductors and Devices	0	0	67	7,893	44,211	6,425
Roads and Trails	2	6	0	0	0	0
Total Transmission Plant	12,141	6,748	102,652	295,895	534,813	262,707
Distribution Plant						
Land and Land Rights	996	0	630	19,372	4,741	10,420
Structures and Improvements	3	0	0	3,793	17,400	6,742
Station Equipment	435	0	15,669	114,427	97,400	64,944
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	21,093	0	12,553	102,731	115,822	85,337
Overhead Conductors and Devices	7,825	0	9,961	113,989	112,669	77,159
Underground Conduit	0	0	74	26,091	42,687	25,190
Underground Conductors and Devices	1,516	0	15,218	75,855	70,374	99,492
Line Transformers	11,307	0	20,924	160,139	147,678	127,612
Services	5,390	0	10,461	31,270	83,928	52,034
Meters	3,240	0	7,512	39,256	65,836	39,006
Installations on Customers Premises	525	0	1,201	9	0	14,015
Leased Property on Customers Premises	0	0	0	962	0	109
Street Lighting and Signal Systems	185	0	4,757	15,261	29,903	7,642
Total Distribution Plant	52,515	0	98,942	703,155	792,437	609,703

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	North Carolina	North Carolina	North Dakota	Ohio	Ohio	Ohio
Item	Nantahala Power & Light Co.	Yadkin Inc.	MDU Resources Group Inc.	Cincinnati Gas & Electric Co.	Cleveland Electric Illum. Co.	Columbus Southern Power Co.
General Plant						
Land and Land Rights	326	0	58	1,106	2,008	1,631
Structures and Improvements	824	12	808	12,166	22,002	28,079
Office Furniture and Equipment	824	144	413	3,013	15,748	4,592
Transportation Equipment	1,377	265	0	22,562	37,455	965
Stores Equipment	6	0	118	643	1,933	341
Tools, Shop and Garage Equipment	793	108	1,079	2,934	8,907	5,300
Laboratory Equipment	108	54	772	1,448	4,101	0
Power Operated Equipment	0	12	3,905	2,865	9,073	361
Communication Equipment	416	201	3,127	931	12,864	9,325
Miscellaneous Equipment	48	0	67	123	38	289
Subtotal General Plant	4,520	796	10,346	47,795	114,127	50,884
Other Tangible Property	0	0	0	0	478	6,120
Total General Plant	4,520	796	10,346	47,795	114,606	57,004
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	811
Total Electric Utility Plant in Service	97,344	49,822	429,151	2,408,655	5,878,825	1,627,968
Additions						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	0	0	877	30,446	9,617	21,881
Nuclear Production Plant	0	0	0	0	120,049	0
Hydraulic Production Plant	932	2,206	0	0	-1	0
Other Production Plant	0	0	11	612	1	0
Total Production Plant	932	2,206	889	31,058	129,667	21,881
Transmission Plant	3,099	16	825	4,918	9,004	5,437
Distribution Plant	3,571	0	2,935	45,169	43,212	41,884
General Plant	441	162	685	3,891	8,253	2,391
Electric Plant Purchased	0	0	-83	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	811
Total Electric Plant Additions	8,043	2,384	5,251	85,036	190,135	72,403
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	0	0	134	5,930	5,615	3,966
Nuclear Production Plant	0	0	0	0	0	0
Hydraulic Production Plant	1	53	0	0	0	0
Other Production Plant	0	0	0	138	1	0
Total Production Plant	1	53	134	6,068	5,616	3,966
Transmission Plant	5	291	405	351	1,011	1,233
Distribution Plant	118	0	738	6,024	5,424	5,548
General Plant	149	30	180	1,917	4,006	1,122
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	273	374	1,457	14,360	16,056	11,870

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Ohio Dayton Power & Light Co.	Ohio Indiana- Kentucky Electric Corp.	Ohio Edison Co.	Ohio Power Co.	Ohio Valley Electric Corp.	Ohio Toledo Edison Co.
Electric Utility Plant						
Utility Plant in Service	1,734,746	278,514	5,971,259	3,661,724	259,931	2,532,291
Nuclear Fuel	0	0	271,575	0	0	235,193
Leased to Others	0	0	0	0	0	0
Held for Future Use	1,944	0	55,358	4,800	0	1,657
Construction Work in Progress	824,210	5,942	464,237	102,456	1,627	428,683
Acquisition Adjustments	1,281	0	0	637	0	0
Total Electric Utility Plant	2,562,181	284,456	6,762,429	3,769,616	261,558	3,197,823
Accumulated Provisions for Depreciation and Amortization	569,622	269,390	1,583,268	1,392,366	251,087	567,197
Net Electric Utility Plant	1,992,559	15,066	5,179,161	2,377,251	10,471	2,630,626
Gas Utility Plant						
Utility Plant in Service	173,168	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	4,980	0	0	0	0	0
Acquisition Adjustments	345	0	0	0	0	0
Total Gas Utility Plant	178,493	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	64,329	0	0	0	0	0
Net Gas Utility Plant	114,165	0	0	0	0	0
Other Utility Plant						
Utility Plant in Service	13,229	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	302	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	13,530	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	7,876	0	0	0	0	0
Net Other Utility Plant	5,654	0	0	0	0	0
Total Utility Plant						
Utility Plant in Service	1,921,142	278,514	5,971,259	3,661,724	259,931	2,532,291
Nuclear Fuel	0	0	271,575	0	0	235,193
Leased to Others	0	0	0	0	0	0
Held for Future Use	1,944	0	55,358	4,800	0	1,657
Construction Work in Progress	829,492	5,942	464,237	102,456	1,627	428,683
Acquisition Adjustments	1,626	0	0	637	0	0
Total Utility Plant	2,754,204	284,456	6,762,429	3,769,616	261,558	3,197,823
Accumulated Provisions for Depreciation and Amortization	641,827	269,390	1,583,268	1,392,366	251,087	567,197
Net Total Utility Plant	2,112,378	15,066	5,179,161	2,377,251	10,471	2,630,626
Intangible Plant						
Organization	0	8	90	5	19	0
Franchises and Consents	0	0	0	67	0	0
Miscellaneous Intangible Plant	0	0	0	0	0	0
Total Intangible Plant	0	8	90	72	19	0
Steam Production Plant						
Land and Land Rights	4,926	673	8,766	5,360	403	2,545
Structures and Improvements	158,157	38,229	234,978	224,365	34,809	31,927
Boiler Plant Equipment	561,580	149,183	1,101,543	1,291,406	116,685	167,564
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	183,749	41,841	221,508	406,989	38,131	60,140
Accessory Electric Equipment	75,851	19,578	173,229	145,726	15,612	11,178
Miscellaneous Power Plant Equipment	11,268	6,409	20,445	37,811	6,305	10,921
Total Steam Production Plant	995,532	255,914	1,760,469	2,111,658	212,145	284,275

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Ohio Dayton Power & Light Co.	Ohio Indiana Kentucky Electric Corp.	Ohio Edison Co.	Ohio Power Co.	Ohio Ohio Valley Electric Corp.	Ohio Toledo Edison Co.
Nuclear Production Plant						
Land and Land Rights	0	0	5,412	0	0	960
Structures and Improvements	0	0	492,406	0	0	127,895
Reactor Plant Equipment	0	0	1,261,985	0	0	1,405,277
Turbogenerator Units	0	0	233,494	0	0	63,337
Accessory Electric Equipment	0	0	378,103	0	3	49,353
Miscellaneous Power Plant Equipment	0	0	101,935	0	0	26,918
Total Nuclear Production Plant	0	0	2,479,335	0	0	1,673,840
Hydraulic Production Plant						
Land and Land Rights	0	0	0	4	0	0
Structures and Improvements	0	0	0	49,834	0	0
Reservoirs, Dams and Waterways	0	0	0	6,469	0	0
Water Wheels, Turbines and Generators	0	0	0	39,985	0	0
Accessory Electric Equipment	0	0	0	9,989	0	0
Miscellaneous Power Plant Equipment	0	0	0	3,392	0	0
Roads, Railroads and Bridges	0	0	0	0	0	0
Total Hydraulic Production Plant	0	0	0	109,673	0	0
Other Production Plant						
Land and Land Rights	353	0	10	0	0	15
Structures and Improvements	4,122	0	637	0	0	106
Fuel Holders, Producers and Accessories	682	0	1,194	0	0	89
Prime Movers	0	0	10,879	0	0	3,887
Generators	15,499	0	4,622	0	0	2,332
Accessory Electric Equipment	971	0	1,046	0	0	214
Miscellaneous Power Plant Equipment	29	0	86	0	0	66
Total Other Production Plant	21,656	0	18,474	0	0	6,708
Total Production Plant	1,017,188	255,914	4,258,278	2,221,331	212,145	1,964,822
Transmission Plant						
Land and Land Rights	24,462	177	71,796	56,136	1,980	13,792
Structures and Improvements	4,866	704	19,077	25,362	667	2,904
Station Equipment	90,944	16,167	221,157	287,286	16,358	62,635
Towers and Fixtures	28,093	2,483	77,657	136,819	12,107	19,927
Poles and Fixtures	25,515	0	79,884	54,514	0	15,741
Overhead Conductors and Devices	45,073	2,320	148,259	146,977	12,690	29,742
Underground Conduit	434	0	1,225	308	0	0
Underground Conductors and Devices	801	0	4,432	623	0	526
Roads and Trails	9	0	2,147	0	0	0
Total Transmission Plant	220,200	21,852	625,634	708,025	43,801	145,267
Distribution Plant						
Land and Land Rights	9,025	0	7,852	5,708	0	3,685
Structures and Improvements	4,838	0	9,611	4,931	0	1,159
Station Equipment	61,011	0	103,002	71,317	0	32,015
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	56,324	0	193,667	134,922	0	60,840
Overhead Conductors and Devices	42,599	0	167,416	105,855	0	56,978
Underground Conduit	4,256	0	24,614	10,839	0	9,281
Underground Conductors and Devices	47,484	0	52,974	19,278	0	22,238
Line Transformers	107,312	0	168,290	153,222	0	63,172
Services	42,962	0	62,912	54,989	0	43,095
Meters	26,570	0	90,840	52,438	0	21,178
Installations on Customers' Premises	7,935	0	6,851	8,459	0	12,818
Leased Property on Customers' Premises	57	0	0	1	0	3,666
Street Lighting and Signal Systems	0	0	38,804	14,323	0	21,248
Total Distribution Plant	410,974	0	926,835	636,183	0	351,372

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Ohio Dayton Power & Light Co	Ohio Indiana Kentucky Electric Corp	Ohio Edison Co	Ohio Power Co	Ohio Valley Electric Corp	Ohio Toledo Edison Co
General Plant						
Land and Land Rights	4,237	5	3,431	4,990	25	1,925
Structures and Improvements	47,626	15	65,170	39,872	717	2,769
Office Furniture and Equipment	12,204	1	22,286	4,633	410	4,224
Transportation Equipment	5,620	0	32,059	45	401	20,547
Stores Equipment	470	1	1,286	565	1	746
Tools, Shop and Garage Equipment	2,283	0	7,311	4,461	168	4,087
Laboratory Equipment	1,076	0	5,417	1,095	270	1,328
Power Operated Equipment	2,179	1	3,954	31	0	1,502
Communication Equipment	9,577	719	17,971	12,380	1,974	2,363
Miscellaneous Equipment	1,112	0	1,537	775	0	573
Subtotal General Plant	86,385	741	160,422	68,847	3,966	65,063
Other Tangible Property	0	0	0	27,266	0	5,766
Total General Plant	86,385	741	160,422	96,113	3,966	70,829
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	1,734,746	278,514	5,971,259	3,661,724	259,931	2,532,291
Additions						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	34,740	605	35,646	57,919	208	6,269
Nuclear Production Plant	0	0	26,691	0	0	88,760
Hydraulic Production Plant	0	0	0	72	0	0
Other Production Plant	15	0	925	0	0	51
Total Production Plant	34,755	605	63,263	57,991	208	95,081
Transmission Plant	14,107	0	16,762	20,440	58	-5,445
Distribution Plant	26,849	0	49,955	44,031	0	11,625
General Plant	4,697	18	13,720	14,833	198	4,860
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	80,408	623	143,701	137,296	464	106,120
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	4,100	205	10,064	14,680	29	0
Nuclear Production Plant	0	0	1,555	0	0	12,377
Hydraulic Production Plant	0	0	0	0	0	0
Other Production Plant	79	0	245	0	0	0
Total Production Plant	4,179	205	11,864	14,681	29	12,377
Transmission Plant	126	0	1,805	2,271	14	3
Distribution Plant	9,730	0	8,354	13,358	0	369
General Plant	1,294	5	8,069	1,470	72	8
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	15,328	210	30,091	31,779	115	12,757

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Oklahoma	Oklahoma	Oregon	Oregon	Oregon	Oregon
Item	Oklahoma Gas & Electric Co.	Public Service Co. of Oklahoma	Fair- Safe Inc.	PacifiCorp	Portland General Electric Co.	Warm Springs Power Enterprises
Electric Utility Plant						
Utility Plant in Service	2,936,685	1,625,976	185	7,441,316	2,521,712	33,228
Nuclear Fuel	0	0	0	8,849	232,499	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	10,666	97,372	0	9,933	249	0
Construction Work in Progress	59,209	26,463	47	225,306	18,925	169
Acquisition Adjustments	0	229	0	5,906	0	0
Total Electric Utility Plant	3,006,560	1,750,040	232	7,691,210	2,772,979	33,397
Accumulated Provisions for Depreciation and Amortization	972,516	619,123	7	2,155,255	994,982	4,790
Net Electric Utility Plant	2,034,045	1,130,917	224	5,535,955	1,777,996	28,606
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Gas Utility Plant	0	0	0	0	0	0
Other Utility Plant						
Utility Plant in Service	0	0	0	1,516	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	1,516	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	201	0	0
Net Other Utility Plant	0	0	0	1,316	0	0
Total Utility Plant						
Utility Plant in Service	2,936,685	1,625,976	185	7,442,732	2,521,712	33,228
Nuclear Fuel	0	0	0	8,849	232,093	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	10,666	97,372	0	9,933	249	0
Construction Work in Progress	59,209	26,463	47	225,306	18,925	169
Acquisition Adjustments	0	229	0	5,906	0	0
Total Utility Plant	3,006,560	1,750,040	232	7,692,726	2,772,979	33,397
Accumulated Provisions for Depreciation and Amortization	972,516	619,123	7	2,155,456	994,982	4,790
Net Total Utility Plant	2,034,045	1,130,917	224	5,537,270	1,777,996	28,606
Intangible Plant						
Organization	81	0	0	26,304	5	0
Franchises and Consents	528	0	0	4,566	35	0
Miscellaneous Intangible Plant	4	254	0	38,892	22,701	0
Total Intangible Plant	613	254	0	69,762	22,741	0
Steam Production Plant						
Land and Land Rights	10,504	5,214	0	38,780	4,004	0
Structures and Improvements	213,216	53,910	15	600,014	211,172	0
Boiler Plant Equipment	747,243	391,910	15	1,726,820	364,030	0
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	291,631	198,550	0	441,186	88,322	0
Accessory Electric Equipment	123,336	51,828	0	247,792	45,337	0
Miscellaneous Power Plant Equipment	35,232	20,940	9	43,933	11,861	0
Total Steam Production Plant	1,421,161	722,352	39	3,098,525	724,726	0

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Oklahoma Oklahoma Gas & Electric Co.	Oklahoma Public Service Co. of Oklahoma	Oregon Fair- Safe Inc.	Oregon PacifiCorp	Oregon Portland General Electric Co.	Oregon Warm Springs Power Enterprises
Nuclear Production Plant						
Land and Land Rights	0	0	0	30	676	0
Structures and Improvements	0	0	0	4,152	127,032	0
Reactor Plant Equipment	0	0	0	6,008	173,956	0
Turbogenerator Units	0	0	0	4,417	109,648	0
Accessory Electric Equipment	0	0	0	1,966	47,879	0
Miscellaneous Power Plant Equipment	0	0	0	1,239	47,107	0
Total Nuclear Production Plant	0	0	0	17,812	506,298	0
Hydraulic Production Plant						
Land and Land Rights	0	0	0	16,176	4,697	281
Structures and Improvements	0	0	0	30,869	18,143	19,211
Reservoirs, Dams and Waterways	0	0	0	190,571	106,583	920
Water Wheels, Turbines and Generators	0	0	0	46,848	24,629	9,593
Accessory Electric Equipment	0	0	0	11,552	3,950	1,115
Miscellaneous Power Plant Equipment	0	0	0	3,396	1,818	61
Roads, Railroads and Bridges	0	0	0	5,660	4,826	639
Total Hydraulic Production Plant	0	0	0	305,072	164,645	31,820
Other Production Plant						
Land and Land Rights	0	72	0	1	340	0
Structures and Improvements	83	440	0	190	27,336	0
Fuel Holders, Producers and Accessories	63	645	0	121	58,167	0
Prime Movers	11	0	0	990	0	0
Generators	5,422	17,664	0	1,646	21,848	0
Accessory Electric Equipment	56	369	0	208	11,052	0
Miscellaneous Power Plant Equipment	3	86	0	63	3,078	0
Total Other Production Plant	5,648	19,277	0	3,218	121,821	0
Total Production Plant	1,426,809	741,629	39	3,424,629	1,517,489	31,820
Transmission Plant						
Land and Land Rights	20,019	17,478	0	72,139	11,040	6
Structures and Improvements	1,275	5,705	0	29,333	6,129	0
Station Equipment	209,149	125,219	146	409,087	85,839	487
Towers and Fixtures	47,841	12,656	0	352,034	45,667	0
Poles and Fixtures	74,439	47,099	0	152,618	17,035	916
Overhead Conductors and Devices	88,531	72,476	0	395,952	57,994	0
Underground Conduit	0	0	0	169	0	0
Underground Conductors and Devices	496	44	0	1,039	1,296	0
Roads and Trails	0	0	0	2,461	353	0
Total Transmission Plant	441,750	280,678	146	1,414,833	225,353	1,408
Distribution Plant						
Land and Land Rights	3,866	4,525	0	21,787	3,525	0
Structures and Improvements	633	20,594	0	37,787	6,837	0
Station Equipment	107,709	73,427	0	228,231	70,516	0
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	165,721	84,474	0	342,871	69,033	0
Overhead Conductors and Devices	167,477	65,288	0	321,637	71,832	0
Underground Conduit	41,693	4,895	0	73,104	11,616	0
Underground Conductors and Devices	109,150	39,928	0	193,395	79,968	0
Line Transformers	150,079	112,118	0	437,744	113,356	0
Services	72,823	52,434	0	115,235	124,789	0
Meters	52,383	24,751	0	112,341	28,428	0
Installations on Customers Premises	11,663	11,662	0	6,684	0	0
Leased Property on Customers Premises	31	0	0	49	0	0
Street Lighting and Signal Systems	28,622	14,995	0	25,623	22,787	0
Total Distribution Plant	911,849	509,091	0	1,916,490	602,687	0

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Oklahoma Gas & Electric Co.	Oklahoma Public Service Co. of Oklahoma	Oregon Fate- Safe Inc.	Oregon PacifiCorp	Oregon Portland General Electric Co.	Oregon Warm Springs Power Enterprises
General Plant						
Land and Land Rights	4,229	971	0	3,197	1,557	0
Structures and Improvements	61,936	7,586	0	66,800	30,171	0
Office Furniture and Equipment	17,864	29,870	0	62,905	39,102	0
Transportation Equipment	34,980	18,453	0	49,128	14,292	0
Stores Equipment	1,855	1,875	0	4,192	1,340	0
Tools, Shop and Garage Equipment	3,514	4,595	0	17,423	2,824	0
Laboratory Equipment	3,684	1,712	0	13,400	3,266	0
Power Operated Equipment	4,343	775	0	23,090	15,678	0
Communication Equipment	11,415	25,266	0	63,961	23,930	0
Miscellaneous Equipment	1,173	555	0	1,347	157	0
Subtotal General Plant	144,993	91,658	0	305,442	132,317	0
Other Tangible Property	10,671	498	0	308,759	21,124	0
Total General Plant	155,665	92,156	0	614,200	153,442	0
Electric Plant Purchased and Sold (net)	0	2,169	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	1,303	0	0
Total Electric Utility Plant in Service	2,936,685	1,625,976	185	7,441,216	2,521,712	33,228
Additions						
Intangible Plant	28	254	0	27,992	3,510	0
Production Plant						
Steam Production Plant	11,670	11,145	39	22,760	909	0
Nuclear Production Plant	0	0	0	897	30,007	0
Hydraulic Production Plant	0	0	0	6,321	8,599	2
Other Production Plant	0	2,938	0	57	78	0
Total Production Plant	11,670	14,084	39	30,036	39,592	2
Transmission Plant	37,707	16,759	146	50,446	6,889	0
Distribution Plant	57,760	35,182	0	125,477	51,338	0
General Plant	7,784	12,800	0	60,410	10,773	0
Electric Plant Purchased	0	2,316	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	114,950	81,394	185	294,361	112,103	2
Retirements						
Intangible Plant	0	0	0	175	0	0
Production Plant						
Steam Production Plant	779	2,515	0	5,653	94	0
Nuclear Production Plant	0	0	0	33	1,179	0
Hydraulic Production Plant	0	0	0	353	318	0
Other Production Plant	0	1,140	0	28	5	0
Total Production Plant	779	3,655	0	6,068	1,597	0
Transmission Plant	1,858	390	0	4,690	262	0
Distribution Plant	7,746	3,246	0	18,459	3,997	0
General Plant	611	2,648	0	25,583	2,962	0
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	10,994	9,941	0	54,974	8,818	0

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Pennsylvania Duquesne Light Co	Pennsylvania Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Pennsylvania Philadelphia Electric Co
Electric Utility Plant						
Utility Plant in Service	3,606,137	1,535,356	2,098,925	7,930,007	1,010,218	9,100,472
Nuclear Fuel	137,773	48,369	23,865	264,008	46,645	750,154
Leased to Others	0	0	0	0	0	0
Held for Future Use	213,787	361,038	182,642	30,005	65,142	7,317
Construction Work in Progress	60,002	71,401	66,756	115,799	15,514	2,999,883
Acquisition Adjustments	0	0	0	0	0	0
Total Electric Utility Plant	4,017,699	2,016,164	2,372,188	8,339,818	1,137,519	12,857,826
Accumulated Provisions for Depreciation and Amortization	970,892	754,242	886,470	1,686,417	267,766	2,557,347
Net Electric Utility Plant	3,046,807	1,261,923	1,485,717	6,653,401	869,753	10,300,479
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	0	622,507
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	2
Construction Work in Progress	0	0	0	0	0	7,891
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	0	630,400
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	145,762
Net Gas Utility Plant	0	0	0	0	0	484,639
Other Utility Plant						
Utility Plant in Service	0	0	4,532	0	0	147,645
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	388
Construction Work in Progress	0	0	0	0	0	2,282
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	4,532	0	0	150,315
Accumulated Provisions for Depreciation and Amortization	0	0	4,262	0	0	57,455
Net Other Utility Plant	0	0	270	0	0	92,860
Total Utility Plant						
Utility Plant in Service	3,606,137	1,535,356	2,103,457	7,930,007	1,010,218	9,870,625
Nuclear Fuel	137,773	48,369	23,865	264,008	46,645	750,154
Leased to Others	0	0	0	0	0	0
Held for Future Use	213,787	361,038	182,642	30,005	65,142	7,707
Construction Work in Progress	60,002	71,401	66,756	115,799	15,514	3,010,056
Acquisition Adjustments	0	0	0	0	0	0
Total Utility Plant	4,017,699	2,016,164	2,376,720	8,339,818	1,137,519	13,638,541
Accumulated Provisions for Depreciation and Amortization	970,892	754,242	890,733	1,686,417	267,766	2,760,564
Net Total Utility Plant	3,046,807	1,261,923	1,485,987	6,653,401	869,753	10,877,978
Intangible Plant						
Organization	190	124	35	476	25	0
Franchises and Consents	7	151	307	147	64	163
Miscellaneous Intangible Plant	896	4	2	738	0	0
Total Intangible Plant	1,093	279	344	1,361	89	163
Steam Production Plant						
Land and Land Rights	11,565	1,278	2,527	9,832	914	5,596
Structures and Improvements	131,053	51,919	130,578	205,973	31,877	208,433
Boiler Plant Equipment	442,173	153,688	401,672	799,956	156,787	580,928
Engines and Engine-Driven Generators	0	0	0	0	0	0
Turbogenerator Units	120,967	56,797	115,395	346,150	36,164	164,916
Accessory Electric Equipment	75,039	13,975	55,197	122,721	16,805	96,015
Miscellaneous Power Plant Equipment	16,333	5,836	12,230	17,807	2,950	14,438
Total Steam Production Plant	797,131	283,494	717,599	1,502,439	245,497	1,070,326

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania Luzerne Light Co	Pennsylvania Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Pennsylvania Philadelphia Electric Co
Nuclear Production Plant						
Land and Land Rights	979	9,900	4,931	14,594	460	11,044
Structures and Improvements	245,684	72,045	36,153	893,484	107,813	1,398,135
Reactor Plant Equipment	702,573	134,574	66,530	1,809,988	260,459	2,675,557
Turbogenerator Units	119,585	39,556	19,785	541,509	43,329	521,232
Accessory Electric Equipment	166,042	49,546	25,766	535,444	60,893	674,643
Miscellaneous Power Plant Equipment	74,325	29,269	15,417	102,452	26,257	258,943
Total Nuclear Production Plant	1,359,184	334,890	168,582	3,897,471	499,210	5,539,554
Hydraulic Production Plant						
Land and Land Rights	0	0	2,765	4,787	0	1,421
Structures and Improvements	0	0	4,139	6,790	0	15,119
Reservoirs, Dams and Waterways	0	0	15,419	24,111	0	34,292
Water Wheels, Turbines and Generators	0	0	4,738	18,430	0	22,028
Accessory Electric Equipment	0	0	3,333	3,359	0	8,683
Miscellaneous Power Plant Equipment	0	0	1,071	2,433	0	2,105
Roads, Railroads and Bridges	0	0	69	260	0	998
Total Hydraulic Production Plant	0	0	31,534	60,172	0	84,645
Other Production Plant						
Land and Land Rights	394	0	44	68	0	841
Structures and Improvements	4,564	0	484	799	62	3,661
Fuel Holders, Producers and Accessories	2,135	1,968	586	1,687	233	20,767
Prime Movers	0	14,485	10,850	17,017	2,055	0
Generators	6,417	7,602	2,988	5,558	687	85,540
Accessory Electric Equipment	481	3,477	1,657	3,809	204	11,778
Miscellaneous Power Plant Equipment	129	209	211	305	14	2,224
Total Other Production Plant	14,719	27,761	16,819	29,242	3,255	124,812
Total Production Plant	2,171,034	646,145	934,534	5,489,324	747,962	6,819,337
Transmission Plant						
Land and Land Rights	8,962	26,504	11,667	22,745	8,726	48,885
Structures and Improvements	5,119	1,857	4,273	11,754	3,831	19,615
Station Equipment	46,467	87,949	72,611	172,473	41,966	245,317
Towers and Poles	84,669	36,879	25,055	111,509	12,432	201,566
Poles and Fixtures	3,206	20,027	37,586	2,045	14,204	158
Overhead Conductors and Devices	39,761	40,525	83,797	65,659	24,502	94,097
Underground Cables	33,126	0	6	0	74	2,769
Underground Conductors and Devices	18,390	0	118	0	91	43,626
Roads and Trails	14	713	7	5,348	61	1,730
Total Transmission Plant	269,858	214,453	235,120	391,534	105,886	657,763
Distribution Plant						
Land and Land Rights	6,591	19,584	14,691	71,373	4,334	29,187
Structures and Improvements	37,111	969	42,275	25,463	1,015	38,543
Station Equipment	198,749	60,896	111,471	209,224	14,035	374,978
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	158,853	136,942	149,079	488,679	33,280	189,744
Overhead Conductors and Devices	122,114	104,764	197,435	308,235	22,306	266,178
Underground Cables	62,205	10,043	15,961	43,638	1,270	164,800
Underground Conductors and Devices	82,420	36,578	11,562	85,625	8,652	338,561
Line Transformers	121,220	121,541	133,807	220,890	28,780	216,572
Services	43,999	58,033	45,926	197,662	9,842	161,075
Meters	48,621	48,163	53,185	67,239	16,794	135,912
Installations on Customers Premises	123	740	16,055	2,855	1,100	274
Leased Property or Customers Premises	0	0	210	0	0	0
Street Lighting and Signal Systems	18,521	5,353	14,143	32,580	3,200	23,853
Total Distribution Plant	898,447	602,206	835,790	1,753,461	144,611	1,939,677

See Appendix, Table 40 for individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania	Pennsyl:	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania
Item	Duquesne Light Co	Metropolita Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Philadelphia Electric Co
General Plant						
Land and Land Rights	3,703	906	1,177	6,357	70	2,345
Structures and Improvements	43,032	35,746	33,361	115,720	3,599	22,683
Office Furniture and Equipment	12,813	13,088	10,639	64,634	841	7,154
Transportation Equipment	23,162	430	2,400	1,404	3,812	0
Stores Equipment	1,664	507	1,095	2,084	207	363
Tools, Shop and Garage Equipment	6,989	6,100	6,252	16,094	1,230	6,345
Laboratory Equipment	3,935	2,696	5,605	4,145	360	11,491
Power Operated Equipment	1,429	489	3,628	0	137	0
Communication Equipment	66,759	6,670	16,679	6,223	1,330	1,292
Miscellaneous Equipment	192	1,763	3,442	2,763	86	907
Subtotal General Plant	163,680	68,395	84,277	219,425	11,672	52,580
Other Tangible Property	102,114	3,879	8,860	74,902	0	-369,048
Total General Plant	265,794	72,275	93,137	294,326	11,672	-316,468
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	3,606,137	1,535,356	2,098,925	7,930,007	1,010,218	9,100,472
Additions						
Intangible Plant	7	0	0	0	0	0
Production Plant						
Steam Production Plant	18,025	27,118	31,915	124,177	7,503	13,622
Nuclear Production Plant	11,605	13,427	7,361	52,868	4,916	120,236
Hydraulic Production Plant	0	0	113	2,679	0	41
Other Production Plant	-108	531	59	145	276	422
Total Production Plant	29,523	41,076	39,448	179,869	12,695	134,321
Transmission Plant	3,777	5,477	3,908	7,687	1,583	22,617
Distribution Plant	41,079	52,329	50,844	115,867	9,237	146,761
General Plant	8,205	6,884	3,718	27,380	1,020	2,846
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	82,590	105,767	97,919	330,803	24,535	306,545
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	2,791	2,213	6,110	15,111	1,829	2,172
Nuclear Production Plant	26	266	136	3,017	302	19,624
Hydraulic Production Plant	0	0	132	135	0	3
Other Production Plant	0	41	77	6	78	16
Total Production Plant	2,817	2,520	6,456	18,269	2,209	21,815
Transmission Plant	578	920	934	469	444	1,625
Distribution Plant	5,114	3,955	7,378	17,372	1,154	12,451
General Plant	12,532	607	1,064	668	678	119
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	21,040	8,002	15,832	36,778	4,484	36,011

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
Item	Safe Harbor Water Power Corp	Susquehanna Electric Co	UGI Corp	West Penn Power Co	York Haven Power Co	Blackstone Valley Electric Co
Electric Utility Plant						
Utility Plant in Service	158,975	1	84,604	2,061,937	9,703	108,004
Nuclear Fuel	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	85,225	0	0
Construction Work in Progress	78	0	547	56,304	822	785
Acquisition Adjustments	0	0	390	273	0	0
Total Electric Utility Plant	159,054	1	85,541	2,203,738	10,526	108,789
Accumulated Provisions for Depreciation and Amortization	34,295	0	39,848	762,380	3,880	29,779
Net Electric Utility Plant	124,758	1	45,693	1,441,358	6,646	79,010
Gas Utility Plant						
Utility Plant in Service	0	0	397,638	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	2,384	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	400,021	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	97,188	0	0	0
Net Gas Utility Plant	0	0	302,833	0	0	0
Other Utility Plant						
Utility Plant in Service	0	0	5,401	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	1	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	5,402	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	3,441	0	0	0
Net Other Utility Plant	0	0	1,961	0	0	0
Total Utility Plant						
Utility Plant in Service	158,975	1	487,643	2,061,937	9,703	108,004
Nuclear Fuel	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	85,225	0	0
Construction Work in Progress	78	0	2,932	56,304	822	785
Acquisition Adjustments	0	0	390	273	0	0
Total Utility Plant	159,054	1	490,964	2,203,738	10,526	108,789
Accumulated Provisions for Depreciation and Amortization	34,295	0	140,477	762,380	3,880	29,779
Net Total Utility Plant	124,758	1	350,487	1,441,358	6,646	79,010
Intangible Plant						
Organization	49	1	0	157	0	0
Franchises and Consents	0	0	6	0	0	0
Miscellaneous Intangible Plant	44	0	0	0	0	22
Total Intangible Plant	93	1	6	157	0	22
Steam Production Plant						
Land and Land Rights	0	0	47	7,268	0	0
Structures and Improvements	0	0	7,082	133,970	0	0
Boiler Plant Equipment	0	0	12,146	638,019	0	0
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	0	0	4,621	209,721	0	0
Accessory Electric Equipment	0	0	1,605	71,141	0	0
Miscellaneous Power Plant Equipment	0	0	796	14,320	0	0
Total Steam Production Plant	0	0	26,297	1,074,439	0	0

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
Item	Safe Harbor Water Power Corp	Susquehanna Electric Co	UGI Corp	West Penn Power Co	York Haven Power Co	Blackstone Valley Electric Co
Nuclear Production Plant						
Land and Land Rights	0	0	0	0	0	0
Structures and Improvements	0	0	0	0	0	0
Reactor Plant Equipment	0	0	0	0	0	0
Turbogenerator Units	0	0	0	0	0	0
Accessory Electric Equipment	0	0	0	0	0	0
Miscellaneous Power Plant Equipment	0	0	0	0	0	0
Total Nuclear Production Plant	0	0	0	0	0	0
Hydraulic Production Plant						
Land and Land Rights	3,260	0	0	443	894	286
Structures and Improvements	28,927	0	0	546	3,654	2,032
Reservoirs, Dams and Waterways	14,909	0	0	4,920	1,971	1,754
Water Wheels, Turbines and Generators	88,911	0	0	1,325	814	1,781
Accessory Electric Equipment	12,447	0	0	272	425	519
Miscellaneous Power Plant Equipment	3,629	0	0	216	505	639
Roads, Railroads and Bridges	156	0	0	3	0	0
Total Hydraulic Production Plant	152,260	0	0	7,724	8,263	7,011
Other Production Plant						
Land and Land Rights	0	0	0	0	0	0
Structures and Improvements	0	0	0	0	0	0
Fuel Holders, Producers and Accessories	0	0	0	0	0	0
Prime Movers	0	0	0	0	0	0
Generators	0	0	11	0	0	0
Accessory Electric Equipment	0	0	0	0	0	0
Miscellaneous Power Plant Equipment	0	0	0	0	0	0
Total Other Production Plant	0	0	11	0	0	0
Total Production Plant	152,260	0	26,308	1,082,162	8,263	7,011
Transmission Plant						
Land and Land Rights	0	0	1,824	22,526	0	2,320
Structures and Improvements	720	0	143	2,914	58	1,448
Station Equipment	5,292	0	7,900	93,467	1,382	9,754
Towers and Fixtures	0	0	2,540	43,051	0	797
Poles and Fixtures	0	0	1,182	28,325	0	2,957
Overhead Conductors and Devices	83	0	2,791	60,420	0	2,920
Underground Conduit	0	0	2	0	0	0
Underground Conductors and Devices	0	0	12	0	0	11
Roads and Trails	0	0	0	65	0	181
Total Transmission Plant	6,095	0	16,393	250,769	1,440	20,388
Distribution Plant						
Land and Land Rights	0	0	95	8,925	0	768
Structures and Improvements	0	0	126	8,633	0	1,941
Station Equipment	0	0	856	146,498	0	12,971
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	0	0	9,352	111,322	0	9,302
Overhead Conductors and Devices	0	0	7,356	124,825	0	15,056
Underground Conduit	0	0	513	5,572	0	4,207
Underground Conductors and Devices	0	0	1,525	17,082	0	5,561
Line Transformers	0	0	8,734	137,875	0	13,658
Services	0	0	5,091	43,797	0	5,872
Meters	0	0	2,982	38,894	0	5,433
Installations on Customers Premises	0	0	581	0	0	0
Leased Property on Customers Premises	0	0	0	135	0	170
Street Lighting and Signal Systems	0	0	821	12,142	0	3,596
Total Distribution Plant	0	0	38,034	655,700	0	78,554

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
Item	Safe Harbor Water Power Corp	Susquehanna Electric Co	UGI Corp	West Penn Power Co	York Haven Power Co	Blackstone Valley Electric Co
General Plant						
Land and Land Rights	0	0	350	1,108	0	21
Structures and Improvements	55	0	1,394	35,767	0	805
Office Furniture and Equipment	97	0	364	11,568	0	446
Transportation Equipment	137	0	1,069	10,408	0	4
Stores Equipment	0	0	24	587	0	12
Tools, Shop and Garage Equipment	1	0	154	2,877	0	252
Laboratory Equipment	0	0	210	1,727	0	121
Power Operated Equipment	0	0	131	3	0	0
Communication Equipment	238	0	141	8,338	0	304
Miscellaneous Equipment	0	0	25	763	0	65
Subtotal General Plant	527	0	3,863	73,147	0	2,029
Other Tangible Property	0	0	0	1	0	0
Total General Plant	527	0	3,863	73,148	0	2,029
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	158,975	1	84,604	2,061,937	9,703	108,004
Additions						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	0	0	375	30,160	0	0
Nuclear Production Plant	0	0	0	0	0	0
Hydraulic Production Plant	454	0	0	66	172	74
Other Production Plant	0	0	0	0	0	0
Total Production Plant	454	0	375	30,226	172	74
Transmission Plant	0	0	555	9,781	1,033	148
Distribution Plant	0	0	2,406	47,014	0	5,249
General Plant	19	0	510	8,653	0	431
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	473	0	3,847	95,674	1,205	5,902
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	0	0	76	8,360	0	0
Nuclear Production Plant	0	0	0	0	0	0
Hydraulic Production Plant	43	0	0	2	31	0
Other Production Plant	0	0	0	0	0	0
Total Production Plant	43	0	76	8,362	31	0
Transmission Plant	0	0	80	703	21	19
Distribution Plant	0	0	239	7,896	0	754
General Plant	8	0	101	1,196	0	31
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	51	0	497	18,157	52	804

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Rhode Island	Rhode Island	South Carolina	South Carolina	South Carolina	South Dakota
Item	Narragansett Electric Co.	Newport Electric Corp.	Lockhart Power Co.	South Carolina Electric & Gas Co.	South Carolina Generating Co. Inc.	Black Hills Corp.
Electric Utility Plant						
Utility Plant in Service	471,485	61,951	15,514	2,551,917	230,585	257,948
Nuclear Fuel	0	0	0	202,270	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	11,185	216	0	0	0	0
Construction Work in Progress	8,085	1,072	1,180	111,173	695	4,342
Acquisition Adjustments	0	0	0	937	0	0
Total Electric Utility Plant	490,755	63,239	16,693	2,866,297	231,280	262,291
Accumulated Provisions for Depreciation and Amortization	182,707	15,518	8,165	800,244	61,016	84,357
Net Electric Utility Plant	308,048	47,722	8,528	1,966,053	170,265	177,934
Gas Utility Plant						
Utility Plant in Service	0	0	0	221,869	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	4,862	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	226,731	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	66,198	0	0
Net Gas Utility Plant	0	0	0	160,553	0	0
Other Utility Plant						
Utility Plant in Service	0	0	246	53,108	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	2	7,449	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	248	60,557	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	108	14,567	0	0
Net Other Utility Plant	0	0	140	45,990	0	0
Total Utility Plant						
Utility Plant in Service	471,485	61,951	15,759	2,826,894	230,585	257,948
Nuclear Fuel	0	0	0	202,270	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	11,185	216	0	0	0	0
Construction Work in Progress	8,085	1,072	1,182	123,504	695	4,342
Acquisition Adjustments	0	0	0	937	0	0
Total Utility Plant	490,755	63,239	16,941	3,153,605	231,280	262,291
Accumulated Provisions for Depreciation and Amortization	182,707	15,518	8,270	981,009	61,016	84,357
Net Total Utility Plant	308,048	47,722	8,671	2,172,596	170,265	177,934
Intangible Plant						
Organization	0	0	0	15	0	0
Franchises and Consents	0	0	0	880	0	0
Miscellaneous Intangible Plant	0	387	0	363	0	0
Total Intangible Plant	0	387	0	1,259	0	0
Steam Production Plant						
Land and Land Rights	1,852	0	0	1,105	571	372
Structures and Improvements	13,302	176	0	46,102	31,281	7,650
Boiler Plant Equipment	26,126	744	0	183,631	149,394	44,089
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	12,233	272	0	90,092	33,208	8,815
Accessory Electric Equipment	7,053	72	0	24,449	13,242	1,742
Miscellaneous Power Plant Equipment	617	17	0	5,616	7,889	1,254
Total Steam Production Plant	60,883	1,281	0	250,995	230,585	63,922

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Rhode Island	Rhode Island	South Carolina	South Carolina	South Carolina	South Dakota
	Narragansett Electric Co.	Newport Electric Corp.	Lockhart Power Co.	South Carolina Electric & Gas Co.	South Carolina Generating Co. Inc.	Black Hills Corp.
Nuclear Production Plant						
Land and Land Rights	0	0	0	598	0	0
Structures and Improvements	0	0	0	237,895	0	0
Reactors Plant Equipment	0	0	0	405,273	0	0
Turbogenerator Units	0	0	0	72,218	0	0
Accessory Electric Equipment	0	0	0	93,165	0	0
Miscellaneous Power Plant Equipment	0	0	0	67,395	0	0
Total Nuclear Production Plant	0	0	0	876,643	0	0
Hydraulic Production Plant						
Land and Land Rights	0	0	279	28,578	0	0
Structures and Improvements	0	0	160	42,264	0	0
Waterways, Dams and Waterways	0	0	2,969	98,134	0	0
Water Wheels, Turbines and Generators	0	0	1,074	61,076	0	0
Accessory Electric Equipment	0	0	297	8,072	0	0
Miscellaneous Power Plant Equipment	0	0	34	4,379	0	0
Roads, Railroads and Bridges	0	0	6	1,531	0	0
Total Hydraulic Production Plant	0	0	3,863	244,034	0	0
Other Production Plant						
Land and Land Rights	0	38	0	51	0	0
Structures and Improvements	15	87	0	46	0	22
Fuel Systems, Pumps and Accessories	2	84	0	923	0	823
Prime Movers	971	44	0	86	0	0
Generators	147	2,375	0	16,983	0	15,006
Accessory Electric Equipment	145	216	0	487	0	84
Miscellaneous Power Plant Equipment	0	0	0	118	0	15
Total Other Production Plant	610	2,828	0	18,695	0	15,951
Total Production Plant	61,493	4,109	3,863	1,490,367	230,585	79,873
Transmission Plant						
Land and Land Rights	4,706	1,079	80	22,805	0	1,191
Structures and Improvements	363	572	111	919	0	628
Station Equipment	12,982	8,731	1,282	109,974	0	18,594
Towers and Poles	435	134	0	5,401	0	67
Poles and Poles	11,644	3,258	338	64,736	0	20,736
Overhead Conductors and Devices	10,643	2,197	489	54,720	0	19,753
Underground Conduit	182	520	0	689	0	0
Underground Conductors and Devices	3,882	2,988	0	1,668	0	0
Roads and Trails	1,374	0	0	9	0	46
Total Transmission Plant	45,951	19,056	2,251	250,360	0	61,014
Distribution Plant						
Land and Land Rights	3,527	719	26	14,080	0	104
Structures and Improvements	1,892	966	151	454	0	32
Station Equipment	40,787	6,290	1,730	85,222	0	7,771
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Poles	45,808	3,696	1,517	101,115	0	13,564
Overhead Conductors and Devices	80,543	4,841	1,568	119,329	0	10,657
Underground Conduit	17,347	2,170	0	18,861	0	45
Underground Conductors and Devices	37,046	4,240	94	68,711	0	6,335
Other Transformers	57,081	4,707	1,445	139,193	0	10,576
Services	25,707	1,304	730	70,229	0	4,272
Meters	22,292	2,685	604	42,759	0	3,179
Installations on Customers Premises	0	140	1	0	0	470
Unpaid Property on Customers Premises	3,546	0	0	0	0	0
Street Lighting and Sign Systems	23,448	1,381	458	44,953	0	825
Total Distribution Plant	346,200	32,198	8,363	702,905	0	57,831

See footnote at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Rhode Island Narragansett Electric Co.	Rhode Island Newport Electric Corp.	South Carolina Lockhart Power Co.	South Carolina South Carolina Electric & Gas Co.	South Carolina South Carolina Generating Co. Inc.	South Dakota Black Hills Corp.
General Plant						
Land and Land Rights	440	211	0	1,949	0	534
Structures and Improvements	11,474	2,788	237	12,862	0	5,345
Office Furniture and Equipment	967	1,042	168	4,776	0	6,191
Transportation Equipment	0	1,932	0	14,796	0	2,021
Stores Equipment	21	47	0	179	0	200
Tools, Shop and Garage Equipment	1,786	252	116	3,050	0	1,821
Laboratory Equipment	102	10	9	3,794	0	201
Power-Operated Equipment	0	0	0	20,336	0	27
Communication Equipment	1,038	113	51	16,952	0	912
Miscellaneous Equipment	279	40	0	342	0	463
Subtotal General Plant	15,841	6,202	1,036	72,733	0	17,715
Other Tangible Property	0	0	0	24,293	0	41,516
Total General Plant	15,841	6,202	1,036	97,026	0	59,231
Electric Plant Purchased and Sold Innet	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	471,485	51,951	15,514	2,551,917	30,585	257,948
Additions						
Intangible Plant	0	196	0	170	0	0
Production Plant	0	0	0	0	0	0
Steam Production Plant	2,374	0	0	17,339	3,358	1,383
Nuclear Production Plant	0	0	0	5,215	0	0
Hydraulic Production Plant	0	0	0	3,192	0	0
Other Production Plant	0	690	736	264	0	0
Total Production Plant	2,382	690	736	26,010	3,358	1,383
Transmission Plant	5,644	480	19	9,390	0	1,169
Distribution Plant	34,637	2,139	497	57,989	0	3,448
General Plant	450	192	23	9,301	0	3,603
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	43,076	4,561	1,275	102,859	3,358	9,603
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant	0	0	0	0	0	0
Steam Production Plant	1,640	0	0	1,512	124	55
Nuclear Production Plant	0	0	0	925	0	0
Hydraulic Production Plant	0	0	14	11	0	0
Other Production Plant	0	40	0	0	0	0
Total Production Plant	1,640	40	14	2,448	124	55
Transmission Plant	649	49	15	234	0	208
Distribution Plant	33,132	182	24	5,316	0	1,207
General Plant	71	196	7	2,042	0	226
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	4,824	648	60	10,040	124	1,696

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Plant	Northwestern Electric Service	Kingston Power Co.	Tennesssee Electric Co.	Central Electric Power & Light Co.	Ill. Power Electric Co.	Total States Utilities Co.
Electric Utility Plant						
Utility Plant in Service	711,830	60,780	61,524	6,043,179	1,190,333	6,110,446
Nuclear Fuel	0	0	0	1,211,709	121,034	196,963
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	41,919	0	157,913
Construction Work in Progress	10,000	1,431	1,643	82,052	344,768	15,600
Acquisition Adjustments	0	0	0	0	0	0
Total Electric Utility Plant	252,514	53,168	63,171	4,298,859	1,656,135	6,700,410
Accumulated Provisions for Depreciation and Amortization	104,080	14,000	14,609	769,880	307,160	1,647,549
Net Electric Utility Plant	158,246	34,795	13,562	3,528,979	1,348,975	5,039,168
Gas Utility Plant						
Utility Plant in Service	36,373	0	0	0	0	36,373
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	271
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	36,373	0	0	0	0	36,980
Accumulated Provisions for Depreciation and Amortization	15,115	0	0	0	0	20,871
Net Gas Utility Plant	21,158	0	0	0	0	16,108
Other Utility Plant						
Utility Plant in Service	14,251	0	0	0	0	21,875
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	281
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	14,251	0	0	0	0	71,356
Accumulated Provisions for Depreciation and Amortization	4,472	0	0	0	0	43,483
Net Other Utility Plant	9,878	0	0	0	0	27,873
Total Utility Plant						
Utility Plant in Service	102,480	12,196	61,524	4,043,179	1,190,333	6,440,269
Nuclear Fuel	0	0	0	1,211,709	121,034	196,963
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	41,919	0	157,913
Construction Work in Progress	10,000	1,431	1,643	82,052	344,768	15,600
Acquisition Adjustments	0	0	0	0	0	0
Total Utility Plant	303,237	53,168	63,171	4,298,859	1,656,135	6,810,745
Accumulated Provisions for Depreciation and Amortization	113,950	14,000	14,609	769,880	307,160	1,725,596
Net Total Utility Plant	199,282	34,795	13,562	3,528,979	1,348,975	5,085,149
Intangible Plant						
Organization	0	0	0	0	0	0
Franchises and Consents	0	1	0	0	51	0
Miscellaneous Intangible Plant	0	0	1,716	735	21,414	0
Total Intangible Plant	0	1	1,716	735	21,465	0
Steam Production Plant						
Land and Land Rights	421	0	0	16,419	111	8,856
Structures and Improvements	22,279	0	0	112,338	11,829	237,968
Boiler Plant Equipment	71,983	0	0	310,866	82,351	761,799
Engines and Engine-Driven Generators	0	0	0	0	10,619	0
Turbogenerator Units	17,143	0	0	178,354	41,161	337,678
Accessory Electric Equipment	9,456	0	0	34,513	12,416	168,147
Miscellaneous Power Plant Equipment	1,840	0	0	9,464	3,068	11,807
Total Steam Production Plant	123,122	0	0	661,954	161,556	1,526,257

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	South Dakota Northwestern Public Service Co.	Tennessee Kingsport Power Co.	Tennessee Tapoco Inc.	Texas Central Power & Light Co.	Texas El Paso Electric Co.	Texas Gulf States Utilities Co.
Nuclear Production Plant	0	0	0	4,653	1,240	8,506
Land and Land Rights	0	0	0	998,309	187,085	1,327,217
Structures and Improvements	0	0	0	682,105	254,843	723,876
Reactor Plant Equipment	0	0	0	146,917	78,275	363,520
Turbogenerator Units	0	0	0	411,772	75,899	626,404
Accessory Electric Equipment	0	0	0	21,337	31,309	12,879
Miscellaneous Power Plant Equipment	0	0	0	2,265,095	628,650	3,062,402
Total Nuclear Production Plant						
Hydraulic Production Plant	0	0	2,780	2	0	0
Land and Land Rights	0	0	3,066	268	0	0
Structures and Improvements	0	0	23,402	238	0	0
Reservoirs, Canals and Waterways	0	0	8,743	116	0	219
Water Wheels, Turbines and Generators	0	0	1,741	222	0	32
Accessory Electric Equipment	0	0	478	33	0	0
Miscellaneous Power Plant Equipment	0	0	134	0	0	0
Roads, Railroads and Bridges	0	0	40,244	900	0	251
Total Hydraulic Production Plant						
Other Production Plant	58	0	0	0	10	0
Land and Land Rights	1,215	0	0	392	615	0
Structures and Improvements	470	0	0	667	630	0
Fuel Holders, Producers and Accessories	0	0	0	415	0	0
Prime Movers	3,743	0	0	5,185	12,793	0
Generators	762	0	0	113	451	51
Accessory Electric Equipment	111	0	0	47	536	51
Miscellaneous Power Plant Equipment	12,359	0	0	6,819	15,036	51
Total Other Production Plant						
Total Production Plant	135,481	0	40,244	2,934,767	805,242	4,588,961
Transmission Plant	872	521	103	24,119	9,772	74,811
Land and Land Rights	756	399	337	3,102	4,139	5,380
Structures and Improvements	21,385	5,690	15,094	116,013	60,302	385,083
Station Equipment	0	666	1,087	28,860	4,509	80,485
Towers and Fixtures	16,314	574	0	54,293	25,614	113,993
Poles and Fixtures	10,144	1,170	692	81,236	27,583	126,209
Overhead Conductors and Devices	0	0	0	530	0	8
Underground Conduit	0	0	0	901	0	249
Underground Conductors and Devices	0	0	46	72	328	364
Roads and Trails	51,471	9,319	17,359	309,125	132,240	786,581
Total Transmission Plant						
Distribution Plant	226	731	0	2,032	643	14,571
Land and Land Rights	0	385	0	3,684	2,011	881
Structures and Improvements	7,924	3,730	0	59,241	42,541	99,364
Station Equipment	0	0	0	0	0	0
Storage Battery Equipment	11,829	7,641	0	152,278	31,687	191,503
Poles, Towers and Fixtures	8,600	8,195	0	115,616	22,721	168,447
Overhead Conductors and Devices	561	1,006	0	8,204	16,734	21,995
Underground Conduit	4,742	1,564	0	32,515	12,752	70,409
Underground Conductors and Devices	12,406	8,488	0	135,771	42,559	187,635
Line Transformers	4,548	3,455	0	36,365	17,558	76,701
Service	5,139	3,197	0	35,545	13,436	51,786
Meters	624	496	0	15,048	1,915	648
Installations on Customers Premises	0	0	0	0	0	340
Leased Property on Customers Premises	0	0	0	14,407	3,596	46,312
Street Lighting and Signal Systems	1,741	1,178	0	610,738	208,153	930,992
Total Distribution Plant	58,470	41,066	0			

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	South Dakota	Tennessee	Tennessee	Texas	Texas	Texas
Item	Northwestern Public Service Co	Kingsport Power Co	Tapoco Inc	Central Power & Light Co	El Paso Electric Co	Gulf States Utilities Co
General Plant						
Land and Land Rights	107	39	0	5,123	308	6,369
Structures and Improvements	1,195	560	121	52,787	4,192	31,164
Office Furniture and Equipment	97	172	367	8,267	1,234	9,582
Transportation Equipment	2,682	527	448	14,670	6,457	704
Stores Equipment	63	55	7	645	58	1,220
Tools, Shop and Garage Equipment	195	175	156	4,739	503	2,903
Laboratory Equipment	109	126	138	514	1,115	3,600
Power Operated Equipment	104	59	239	312	490	1,505
Communication Equipment	455	537	654	26,119	7,829	46,171
Miscellaneous Equipment	0	71	72	50	1,006	881
Subtotal General Plant	5,008	2,320	2,205	113,225	23,191	104,498
Other Tangible Property	0	30	0	74,618	35	-80,546
Total General Plant	5,008	2,351	2,205	187,843	23,226	23,952
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	250,430	52,736	61,524	4,043,179	1,190,333	6,330,486
Additions						
Intangible Plant	0	0	0	735	21,424	0
Production Plant						
Steam Production Plant	1,331	0	0	4,261	58	3,866
Nuclear Production Plant	0	0	0	708,627	0	5,539
Hydraulic Production Plant	0	0	597	0	0	0
Other Production Plant	162	0	0	0	0	0
Total Production Plant	1,494	0	597	712,888	58	9,405
Transmission Plant	2,625	429	2,353	2,959	6,224	3,401
Distribution Plant	4,333	1,814	0	39,659	13,312	30,705
General Plant	1,405	39	180	8,157	4,827	1,807
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	9,856	2,282	3,130	764,398	45,908	45,318
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	287	0	0	723	516	12,093
Nuclear Production Plant	0	0	0	0	2,237	0
Hydraulic Production Plant	0	0	179	0	0	0
Other Production Plant	425	0	0	0	0	0
Total Production Plant	712	0	179	723	2,753	12,093
Transmission Plant	504	30	187	372	39	864
Distribution Plant	738	420	0	7,982	752	7,250
General Plant	32	63	87	3,030	257	174
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	1,987	514	453	12,107	3,802	20,382

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Texas Houston Lighting & Power Co.	Texas Southwestern Electric Service Co.	Texas Southwestern Public Service Co.	Texas Utilities Electric Co.	Texas New Mexico Power Co.	Texas West Texas Utilities Co.
Electric Utility Plant						
Utility Plant in Service	10,074,586	75,756	1,947,101	7,873,934	473,184	878,909
Nuclear Fuel	161,191	0	0	301,676	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	181,041	0	4,730	25,252	0	14,867
Construction Work in Progress	296,035	286	25,860	9,915,896	1,982	8,559
Acquisition Adjustments	3,166	0	22	0	0	1,845
Total Electric Utility Plant	10,716,019	76,041	1,977,714	18,116,758	475,167	904,201
Accumulated Provisions for Depreciation and Amortization	1,942,047	25,111	574,149	2,762,101	111,925	245,395
Net Electric Utility Plant	8,773,972	50,931	1,403,565	15,354,657	363,242	658,806
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Gas Utility Plant	0	0	0	0	0	0
Other Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Other Utility Plant	0	0	0	0	0	0
Total Utility Plant						
Utility Plant in Service	10,074,586	75,756	1,947,101	7,873,934	473,184	878,909
Nuclear Fuel	161,191	0	0	301,676	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	181,041	0	4,730	25,252	0	14,867
Construction Work in Progress	296,035	286	25,860	9,915,896	1,982	8,559
Acquisition Adjustments	3,166	0	22	0	0	1,845
Total Utility Plant	10,716,019	76,041	1,977,714	18,116,758	475,167	904,201
Accumulated Provisions for Depreciation and Amortization	1,942,047	25,111	574,149	2,762,101	111,925	245,395
Net Total Utility Plant	8,773,972	50,931	1,403,565	15,354,657	363,242	658,806
Intangible Plant						
Organization	0	0	6	0	0	22
Franchises and Concessions	429	24	0	0	0	0
Miscellaneous Intangible Plant	0	0	3,331	0	0	0
Total Intangible Plant	429	24	3,338	0	0	22
Steam Production Plant						
Land and Land Rights	25,993	0	4,714	35,254	24	3,740
Structures and Improvements	696,530	0	99,248	471,353	616	66,326
Boiler Plant Equipment	2,295,304	0	632,046	1,734,966	3,354	193,836
Engines and Engine-Driven Generators	0	0	0	0	0	0
Turbogenerator Units	607,756	0	334,646	647,688	4,426	98,407
Accessory Electric Equipment	270,125	0	47,414	188,044	771	29,030
Miscellaneous Power Plant Equipment	31,769	0	20,248	43,895	16	13,804
Total Steam Production Plant	3,927,477	0	1,138,316	3,121,201	9,207	405,742

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Texas Houston Lighting & Power Co.	Texas Southwestern Electric Service Co.	Texas Southwestern Public Service Co.	Texas Texas Utilities Electric Co.	Texas Texas New Mexico Power Co.	Texas West Texas Utilities Co.
Nuclear Production Plant						
Land and Land Rights	5,829	0	0	0	0	0
Structures and Improvements	1,127,088	0	0	0	0	0
Reactor Plant Equipment	763,072	0	0	0	0	0
Turbogenerator Units	164,310	0	0	0	0	0
Accessory Electric Equipment	462,864	0	0	0	0	0
Miscellaneous Power Plant Equipment	26,304	0	0	0	0	0
Total Nuclear Production Plant	2,549,468	0	0	0	0	0
Hydraulic Production Plant						
Land and Land Rights	0	0	0	0	0	0
Structures and Improvements	0	0	0	0	0	0
Reservoirs, Dams and Waterways	0	0	0	0	0	0
Water Wheels, Turbines and Generators	0	0	0	0	0	0
Accessory Electric Equipment	0	0	0	0	0	0
Miscellaneous Power Plant Equipment	0	0	0	0	0	0
Roads, Railroads and Bridges	0	0	0	0	0	0
Total Hydraulic Production Plant	0	0	0	0	0	0
Other Production Plant						
Land and Land Rights	0	0	0	0	0	7
Structures and Improvements	12,478	0	781	0	0	192
Fuel Holders, Producers and Accessories	4,515	0	443	0	0	38
Prime Movers	145,714	0	1,050	142	0	6,278
Generators	27,744	0	12,135	0	0	0
Accessory Electric Equipment	13,264	0	1,415	0	0	610
Miscellaneous Power Plant Equipment	306	0	68	78	0	59
Total Other Production Plant	204,022	0	15,904	162	0	7,325
Total Production Plant	5,680,966	0	1,154,220	3,121,363	9,207	413,067
Transmission Plant						
Land and Land Rights	78,721	161	15,594	142,508	5,060	6,583
Structures and Improvements	15,350	46	1,316	8,309	0	730
Station Equipment	237,684	2,665	127,976	514,505	36,341	61,319
Towers and Fixtures	215,831	0	2,064	221,770	4,199	526
Poles and Fixtures	21,251	2,622	90,617	149,406	22,698	62,567
Overhead Conductors and Devices	169,998	2,352	62,302	266,343	20,486	44,451
Underground Conduit	2,424	0	255	9,327	0	0
Underground Conductors and Devices	2,197	0	339	9,571	0	0
Roads and Trails	4,869	3	0	0	0	0
Total Transmission Plant	748,326	7,859	300,404	1,321,739	88,786	176,175
Distribution Plant						
Land and Land Rights	11,348	125	2,326	38,954	1,597	501
Structures and Improvements	27,439	220	204	14,661	17,499	26
Station Equipment	357,324	7,870	58,493	434,594	66,740	32,823
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	240,043	15,292	77,944	580,850	71,177	56,612
Overhead Conductors and Devices	300,879	12,460	68,018	409,480	80,512	33,496
Underground Conduit	106,700	135	11,386	137,771	5,271	3,652
Underground Conductors and Devices	195,105	539	14,296	284,150	12,214	6,266
Line Transformers	480,751	14,057	77,595	661,914	43,554	52,006
Services	48,774	5,591	26,900	152,244	27,464	15,039
Meters	183,558	4,609	35,176	239,203	10,857	20,804
Installations on Customers Premises	138	2	6,916	8,721	6,137	7,606
Leased Property on Customers Premises	0	0	0	0	0	87
Street Lighting and Signal Systems	108,781	2,390	11,049	77,572	4,636	7,908
Total Distribution Plant	2,060,841	63,290	390,319	3,040,114	347,658	236,825

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Texas	Texas	Texas	Texas	Texas	Texas
Item	Houston Lighting & Power Co.	Southwestern Electric Service Co.	Southwestern Public Service Co.	Texas Utilities Electric Co.	Texas New Mexico Power Co.	West Texas Utilities Co.
General Plant						
Land and Land Rights	11,708	153	1,974	18,570	2,448	2,459
Structures and Improvements	297,246	1,199	37,129	106,074	0	20,145
Office Furniture and Equipment	20,576	649	8,540	28,006	8,451	5,287
Transportation Equipment	99,927	1,976	17,542	59,041	13,222	12,767
Stores Equipment	7,471	0	687	4,689	0	391
Tools, Shop and Garage Equipment	14,547	274	2,153	14,837	1,697	2,191
Laboratory Equipment	13,085	132	4,115	14,089	0	890
Power-Operated Equipment	75,295	0	2,923	1,912	1,715	0
Communication Equipment	109,770	148	23,247	98,509	0	8,506
Miscellaneous Equipment	18,895	33	517	14,154	0	184
Subtotal General Plant	584,025	4,583	98,821	319,859	27,533	52,820
Other Tangible Property	0	0	0	10,859	0	0
Total General Plant	584,025	4,583	98,821	390,717	27,533	52,820
Electric Plant Purchased and Sold (net)	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	10,074,586	75,756	1,947,101	7,873,934	473,184	878,909
Additions						
Intangible Plant	0	0	34	0	0	0
Production Plant						
Steam Production Plant	1,477,739	0	10,381	154,023	0	968
Nuclear Production Plant	745,925	0	0	0	0	0
Hydraulic Production Plant	0	0	0	0	0	0
Other Production Plant	0	0	0	162	0	62
Total Production Plant	900,303	0	10,381	54,186	0	1,031
Transmission Plant	37,419	132	9,139	38,575	13,146	7,926
Distribution Plant	136,343	1,568	16,648	186,584	18,353	15,564
General Plant	98,237	147	7,817	16,734	3,554	2,978
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	1,174,806	3,896	43,200	305,379	35,053	27,499
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	16,126	0	3,548	2,633	0	259
Nuclear Production Plant	491	0	0	0	0	0
Hydraulic Production Plant	0	0	0	0	0	0
Other Production Plant	0	0	1,101	0	0	5
Total Production Plant	17,029	0	2,247	2,633	0	264
Transmission Plant	2,857	75	4,387	3,830	504	346
Distribution Plant	18,130	456	5,697	29,341	4,792	2,633
General Plant	13,310	102	7,487	6,564	1,325	1,125
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	51,327	571	19,518	42,368	6,621	4,367

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Vermont	Vermont	Vermont	Vermont	Virginia	Virginia
Item	Central Vermont Public Service Corp	Green Mountain Power Corp	Vermont Electric Power Co Inc	Vermont Yankee Nuclear Power Corp	Appalachian Power Co	Virginia Electric & Power Co
Electric Utility Plant						
Utility Plant in Service	316,299	169,053	82,383	352,082	3,529,432	10,426,594
Nuclear Fuel	4,642	0	0	294,549	0	816,237
Leased to Others	0	0	0	0	0	0
Held for Future Use	48	0	1,524	0	5,909	4,478
Construction Work in Progress	12,489	9,986	192	125	23,561	745,369
Acquisition Adjustments	0	0	0	0	182	42,778
Total Electric Utility Plant	333,479	179,039	84,099	646,757	3,559,083	12,035,456
Accumulated Provisions for Depreciation and Amortization	71,641	47,285	31,325	437,892	1,234,948	3,498,816
Net Electric Utility Plant	261,838	131,754	52,774	208,864	2,324,134	8,536,640
Gas Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Gas Utility Plant	0	0	0	0	0	0
Other Utility Plant						
Utility Plant in Service	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	0
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	0
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	0
Net Other Utility Plant	0	0	0	0	0	0
Total Utility Plant						
Utility Plant in Service	316,299	169,053	82,383	352,082	3,529,432	10,426,594
Nuclear Fuel	4,642	0	0	294,549	0	816,237
Leased to Others	0	0	0	0	0	0
Held for Future Use	48	0	1,524	0	5,909	4,478
Construction Work in Progress	12,489	9,986	192	125	23,561	745,369
Acquisition Adjustments	0	0	0	0	182	42,778
Total Utility Plant	333,479	179,039	84,099	646,757	3,559,083	12,035,456
Accumulated Provisions for Depreciation and Amortization	71,641	47,285	31,325	437,892	1,234,948	3,498,816
Net Total Utility Plant	261,838	131,754	52,774	208,864	2,324,134	8,536,640
Intangible Plant						
Organization	143	12	8	35	129	80
Franchises and Concessions	17	1	0	1,080	249	13
Miscellaneous Intangible Plant	136	3,220	0	0	702	48,965
Total Intangible Plant	296	3,233	8	1,116	1,081	49,058
Steam Production Plant						
Land and Land Rights	76	6	0	0	5,877	6,939
Structures and Improvements	4,513	2,514	0	0	186,848	297,772
Boiler Plant Equipment	9,661	5,509	0	0	918,688	1,136,822
Engines and Engine Driven Generators	0	0	0	0	0	0
Turbogenerator Units	2,940	1,800	0	0	249,033	384,813
Accessory Electric Equipment	551	341	0	0	124,587	150,264
Miscellaneous Power Plant Equipment	239	372	0	0	37,804	52,862
Total Steam Production Plant	17,982	10,540	0	0	1,522,837	2,029,471

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Vermont	Vermont	Vermont	Vermont	Virginia	Virginia
Item	Central Vermont Public Service Corp.	Green Mountain Power Corp.	Vermont Electric Power Co. Inc.	Vermont Yankee Nuclear Power Corp.	Appalachian Power Co.	Virginia Electric & Power Co.
Nuclear Production Plant						
Land and Land Rights	11	0	0	895	0	32,709
Structures and Improvements	21,475	0	0	59,406	0	542,605
Reactor Plant Equipment	35,888	0	0	203,542	0	1,170,157
Turbogenerator Units	8,714	0	0	46,127	0	314,155
Accessory Electric Equipment	6,604	0	0	15,793	0	414,671
Miscellaneous Power Plant Equipment	1,639	0	0	19,652	0	87,596
Total Nuclear Production Plant	74,531	0	0	344,825	0	2,561,899
Hydraulic Production Plant						
Land and Land Rights	1,415	1,028	0	0	9,691	15,940
Structures and Improvements	4,134	3,952	0	0	15,488	146,398
Reservoirs, Dams and Waterways	13,681	6,305	0	0	43,961	634,068
Water Wheels, Turbines and Generators	8,674	6,439	0	0	47,209	208,080
Accessory Electric Equipment	946	1,740	0	0	6,547	51,628
Miscellaneous Power Plant Equipment	4	154	0	0	3,964	3,207
Roads, Railroads and Bridges	28	567	0	0	1,044	39,357
Total Hydraulic Production Plant	27,282	20,280	0	0	129,904	1,098,788
Other Production Plant						
Land and Land Rights	2	51	0	0	0	20
Structures and Improvements	46	2,957	0	0	0	4,561
Fuel Holders, Producer's and Accessories	545	759	0	0	0	2,405
Prime Movers	2,617	1,572	0	0	0	82,742
Generators	684	75,632	0	0	0	46,404
Accessory Electric Equipment	369	851	0	0	0	3,196
Miscellaneous Power Plant Equipment	26	108	0	0	0	632
Total Other Production Plant	3,386	16,148	0	0	0	139,902
Total Production Plant	123,180	46,969	0	344,825	1,652,741	5,830,059
Transmission Plant						
Land and Land Rights	1,080	780	12,308	0	49,037	95,939
Structures and Improvements	1,769	0	1,862	198	28,227	6,168
Station Equipment	16,611	13,685	24,099	5,943	344,201	369,041
Towers and Fixtures	78	223	645	0	184,333	176,922
Poles and Fittings	7,662	1,383	18,464	0	38,551	173,695
Overhead Conductors and Devices	1,347	4,282	15,478	0	194,621	165,109
Underground Conduit	0	0	0	0	304	13,764
Underground Conductors and Devices	0	0	895	0	2,184	7,228
Roads and Trails	0	0	0	0	0	2,139
Total Transmission Plant	36,257	22,353	75,752	6,141	841,459	1,010,006
Distribution Plant						
Land and Land Rights	3,339	483	0	0	26,366	25,868
Structures and Improvements	8,445	95	0	0	11,246	11,274
Station Equipment	11,364	8,356	0	0	90,541	319,346
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fixtures	24,791	15,023	0	0	214,894	311,000
Overhead Conductors and Devices	73,239	14,641	0	0	173,474	370,937
Underground Conduit	0	2,282	0	0	20,129	94,850
Underground Conductors and Devices	1,827	5,560	0	0	40,858	566,408
Line Transformers	29,056	21,433	0	0	211,593	592,606
Services	10,790	5,244	0	0	91,460	398,807
Meters	14,241	8,419	0	0	61,240	147,225
Installations on Customers Premises	614	0	0	0	9,671	40,252
Leased Property on Customers Premises	0	0	0	0	45	0
Street Lighting and Signal Systems	1,282	2,910	0	0	10,905	83,359
Total Distribution Plant	132,989	85,047	0	0	962,422	2,963,932

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Vermont Central Vermont Public Service Corp.	Vermont Green Mountain Power Corp.	Vermont Vermont Electric Power Co. Inc.	Vermont Vermont Nuclear Power Corp.	Virginia Appalachian Power Co.	Virginia Virginia Electric & Power Co.
General Plant						
Land and Land Rights	102	99	116	0	5,650	30,332
Structures and Improvements	13,087	2,640	2,472	0	46,730	190,712
Office Furniture and Equipment	7,154	2,909	225	0	3,410	150,609
Transportation Equipment	54	3,855	101	0	109	88,407
Stores Equipment	161	135	38	0	620	9,529
Tools, Shop and Garage Equipment	689	439	85	0	2,754	14,131
Laboratory Equipment	1,064	264	112	0	3,383	15,720
Power Operated Equipment	0	0	0	0	70	9,659
Communication Equipment	639	888	3,406	0	11,898	55,476
Miscellaneous Equipment	62	163	38	0	1,441	6,694
Subtotal General Plant	23,312	11,392	6,623	0	76,066	571,270
Other Tangible Property	565	58	0	0	4,426	141
Total General Plant	23,577	11,450	6,623	0	71,639	571,411
Electric Plant Purchased and Sold (net)	0	0	0	0	90	0
Experimental Electric Plant Unclassified	0	0	0	0	0	2,128
Total Electric Utility Plant in Service	316,299	169,053	82,383	352,082	3,529,431	10,426,594
Additions						
Intangible Plant	0	425	0	0	2	13,524
Production Plant						
Steam Production Plant	118	36	0	0	27,513	107,648
Nuclear Production Plant	215	0	0	16,652	0	113,484
Hydraulic Production Plant	2,586	754	0	0	2,631	5,749
Other Production Plant	645	108	0	0	0	87,061
Total Production Plant	3,624	919	0	16,652	30,208	313,943
Transmission Plant	1,293	1,566	456	0	17,173	42,818
Distribution Plant	11,895	10,666	0	0	65,069	326,511
General Plant	11,609	2,641	987	0	10,627	72,547
Electric Plant Purchased	0	0	0	0	90	0
Electric Plant Sold	0	0	0	0	-450	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	28,421	16,216	1,443	16,652	122,718	769,343
Retirements						
Intangible Plant	0	14	0	0	3	7,686
Production Plant						
Steam Production Plant	4	0	0	0	11,421	17,809
Nuclear Production Plant	43	0	0	4,611	0	12,602
Hydraulic Production Plant	128	3	0	0	276	1,223
Other Production Plant	92	23	0	0	0	0
Total Production Plant	267	26	0	4,614	11,697	31,634
Transmission Plant	146	23	89	0	2,999	5,046
Distribution Plant	2,408	442	0	0	16,358	38,633
General Plant	369	497	117	0	-403	13,438
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	3,189	1,002	207	4,614	30,654	96,439

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Washington	Washington	West Virginia	West Virginia	Wisconsin	Wisconsin
Item	Puget Sound Power & Light Co	Washington Water Power Co	Monongahela Power Co	Wheeling Power Co	Consolidated Water Power Co	Madison Gas & Electric Co
Electric Utility Plant						
Utility Plant in Service	2,512,012	1,219,966	1,297,436	69,896	24,592	404,639
Nuclear Fuel	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	13,293	0	658	0	0	656
Construction Work in Progress	59,016	6,302	36,024	1,041	2,773	4,673
Acquisition Adjustments	1,249	0	0	0	0	53
Total Electric Utility Plant	2,585,570	1,226,268	1,334,118	70,937	27,365	410,021
Accumulated Provisions for Depreciation and Amortization	667,400	270,331	512,347	27,531	10,117	206,474
Net Electric Utility Plant	1,918,170	955,937	821,771	43,406	17,148	203,547
Gas Utility Plant						
Utility Plant in Service	0	107,308	0	0	0	123,828
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	545	0	0	0	875
Acquisition Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	0	107,853	0	0	0	124,703
Accumulated Provisions for Depreciation and Amortization	0	36,671	0	0	0	58,116
Net Gas Utility Plant	0	71,182	0	0	0	66,587
Other Utility Plant						
Utility Plant in Service	0	0	0	0	0	32,735
Leased to Others	0	0	0	0	0	0
Held for Future Use	0	0	0	0	0	0
Construction Work in Progress	0	0	0	0	0	71
Acquisition Adjustments	0	0	0	0	0	0
Total Other Utility Plant	0	0	0	0	0	32,805
Accumulated Provisions for Depreciation and Amortization	0	0	0	0	0	14,955
Net Other Utility Plant	0	0	0	0	0	17,850
Total Utility Plant						
Utility Plant in Service	2,512,012	1,327,274	1,297,436	69,896	24,592	561,202
Nuclear Fuel	0	0	0	0	0	0
Leased to Others	0	0	0	0	0	0
Held for Future Use	13,293	0	658	0	0	656
Construction Work in Progress	59,016	6,847	36,024	1,041	2,773	5,618
Acquisition Adjustments	1,249	0	0	0	0	53
Total Utility Plant	2,585,570	1,334,121	1,334,118	70,937	27,365	567,529
Accumulated Provisions for Depreciation and Amortization	667,400	307,002	512,347	27,531	10,217	279,545
Net Total Utility Plant	1,918,170	1,027,119	821,771	43,406	17,148	287,984
Intangible Plant						
Organization	114	0	4	0	0	0
Franchises and Consents	476	193	7	0	0	0
Miscellaneous Intangible Plant	15,715	447	0	0	0	0
Total Intangible Plant	16,305	635	11	0	0	0
Steam Production Plant						
Land and Land Rights	3,505	2,129	3,830	0	0	420
Structures and Improvements	175,932	125,492	71,717	0	0	24,350
Boiler Plant Equipment	332,620	184,061	368,502	0	0	68,223
Engines and Engine Driven Generators	11	0	0	0	0	0
Turbogenerator Units	81,168	44,995	132,269	0	0	19,453
Accessory Electric Equipment	34,942	26,701	39,659	0	0	6,360
Miscellaneous Power Plant Equipment	10,577	14,758	8,478	0	0	1,740
Total Steam Production Plant	636,754	398,135	624,455	0	0	120,545

See endnotes at end of an individual electric utility

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Washington	Washington	West Virginia	West Virginia	Wisconsin	Wisconsin
Item	Puget Sound Power & Light Co	Washington Water Power Co	Monongahela Power Co	Wheeling Power Co	Consolidated Water Power Co	Madison Gas & Electric Co
Nuclear Production Plant						
Land and Land Rights	0	0	0	0	0	188
Structures and Improvements	0	0	0	0	0	8,096
Reactor Plant Equipment	0	0	0	0	0	27,026
Turbogenerator Units	0	0	0	0	0	6,416
Accessory Electric Equipment	0	0	0	0	0	5,825
Miscellaneous Power Plant Equipment	0	0	0	0	0	2,055
Total Nuclear Production Plant	0	0	0	0	0	51,506
Hydraulic Production Plant						
Land and Land Rights	5,030	44,152	0	0	2,282	0
Structures and Improvements	12,219	21,260	0	0	1,329	0
Reservoirs, Dams and Waterways	88,688	58,461	0	0	9,829	0
Water Wheels, Turbines and Generators	11,295	47,980	0	0	3,025	0
Accessory Electric Equipment	5,630	6,449	0	0	1,425	0
Miscellaneous Power Plant Equipment	3,102	2,702	0	0	102	0
Roads, Railroads and Bridges	1,484	991	0	0	0	0
Total Hydraulic Production Plant	129,449	182,043	0	0	11,992	0
Other Production Plant						
Land and Land Rights	2,680	130	0	0	0	5
Structures and Improvements	5,240	249	0	0	0	160
Engine, Motors, Pumps and Accessories	6,162	7,176	0	0	0	664
Prime Movers	208	6,480	0	0	0	1,755
Generators	64,444	2,595	0	0	0	764
Accessory Electric Equipment	614	54	0	0	0	372
Miscellaneous Power Plant Equipment	810	225	0	0	0	134
Total Other Production Plant	80,658	10,908	0	0	0	3,885
Total Production Plant	846,762	551,085	624,455	0	11,992	175,038
Transmission Plant						
Land and Land Rights	18,268	10,506	14,821	946	51	4,450
Structures and Improvements	2,283	4,527	4,093	286	1,098	2,729
Station Equipment	14,675	75,182	14,576	6,636	8,323	36,412
Towers and Poles	40,170	16,906	26,326	4,021	103	7,972
Wires and Fittings	6,549	47,684	26,507	844	842	23,588
Overhead Conductors and Devices	154,035	90,014	62,703	5,473	876	9,809
Underground Conduit	1,039	557	0	0	0	9,708
Underground Conductors and Devices	1,956	1,315	0	0	0	4,795
Roads and Trails	1,055	1,597	0	0	0	0
Total Transmission Plant	342,161	208,487	211,338	18,348	11,295	93,465
Distribution Plant						
Land and Land Rights	10,906	2,611	13,572	667	0	495
Structures and Improvements	2,307	5,721	6,820	363	0	195
Station Equipment	117,416	42,505	94,385	6,422	217	11,841
Storage Battery Equipment	0	0	0	0	0	0
Poles, Towers and Fittings	139,260	75,212	99,910	9,785	160	9,054
Overhead Conductors and Devices	140,060	54,066	93,322	1,401	194	12,899
Underground Conduit	145,525	10,413	1,436	2,005	0	21,287
Underground Conductors and Devices	196,976	31,060	4,892	2,384	0	23,518
Line Transformers	188,444	70,107	73,367	8,292	176	21,204
Services	97,724	37,564	23,145	4,163	90	10,957
Meters	44,711	14,526	18,383	4,138	32	7,552
Installations on Customers Premises	0	0	0	682	0	241
Leased Property on Customers Premises	7,993	0	0	0	0	0
Street Lighting and Signal Systems	18,035	8,336	5,556	1,749	0	980
Total Distribution Plant	1,109,357	352,141	434,789	46,351	881	112,523

See endnotes at end of an individual electric utility.

Table 41. Utility Plant by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

	Washington	Washington	West Virginia	West Virginia	Wisconsin	Wisconsin
	Puget Sound Power & Light Co.	Washington Water Power Co.	Marionette Power Co.	Wheeling Power Co.	Consolidated Water Power Co.	Madison Gas & Electric Co.
General Plant						
Land and Land Rights	3,532	1,376	557	1589	0	0
Structures and Improvements	49,792	7,311	12,456	2,333	0	0
Office Furniture and Equipment	31,345	21,961	3,291	290	37	302
Transportation Equipment	19,080	9,557	7,315	922	0	20
Tools, Equipment	11,702	397	260	43	75	0
Tools, Shop and Service Equipment	2,536	1,696	7,304	252	253	545
Laboratory Equipment	1,241	1,957	956	166	0	332
Power-Operated Equipment	21,836	10,274	583	7	55	0
Communication Equipment	5,189	14,435	6,541	1,526	76	21,393
Miscellaneous Equipment	436	167	376	30	0	0
Subtotal General Plant	197,328	67,616	26,843	5,013	424	22,613
Other Tangible Property	0	0	0	184	0	0
Total General Plant	197,328	67,616	26,843	5,197	424	22,613
Electric Plant Purchased						
and Subplant	0	0	0	0	0	0
Experimental Electric Plant (unclassified)	0	0	0	0	0	0
Total Electric Utility Plant in Service	2,512,012	1,219,956	1,297,436	69,896	24,592	404,639
Subplant						
Intake/Generator Plant	1,631	10	0	0	0	0
Production Plant						
Steam Production Plant	6,134	1,136	30,927	0	0	1,269
Nuclear Production Plant	0	0	0	0	0	675
Hydraulic Production Plant	7,548	4,108	0	0	468	0
Other Production Plant	740	0	0	0	0	13
Total Production Plant	11,856	5,908	30,927	0	468	1,957
Transmission Plant	10,056	2,122	0,966	837	163	2,341
Substation Plant	71,431	40,967	26,663	1,980	47	11,268
Service Plant	11,286	9,894	7,192	513	90	14,994
Electric Plant (unclassified)	0	0	0	0	0	0
Electric Plant (not)	0	0	0	0	0	0
Experimental Electric Plant (unclassified)	0	0	0	0	0	0
Total Electric Plant Additions	106,198	35,449	65,150	2,931	782	30,259
Retirements						
Intake/Generator Plant	4	0	0	0	0	0
Production Plant						
Steam Production Plant	3,716	0	4,766	0	0	921
Nuclear Production Plant	0	0	0	0	0	342
Hydraulic Production Plant	784	19	0	0	75	0
Other Production Plant	0	0	0	0	0	17
Total Production Plant	3,835	250	4,786	0	75	1,339
Transmission Plant	2,126	471	421	11	22	306
Substation Plant	6,403	2,624	4,692	565	10	1,349
General Plant	4,603	2,611	167	385	0	97
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant (not)	0	0	0	0	0	0
Experimental Electric Plant (unclassified)	0	0	0	0	0	0
Total Electric Plant Retirements	17,171	6,154	10,092	962	107	3,091

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Wisconsin Northern States Power Co.	Wisconsin Northwestern Wisconsin Elec. Co.	Wisconsin South Beloit Water (Gas&Elec) Co.	Wisconsin Superior Water Light & Power Co.	Wisconsin Electric Power Co.	Wisconsin Power & Light Co.
Electric Utility Plant						
Utility Plant in Service	666,260	76,853	7214	25,355	3,300,454	1,279,360
Nuclear Fuel	0	0	0	0	113,003	116,870
Leased to Others	2,832	0	0	0	0	0
Need for Future Use	36	0	0	0	6,961	0
Construction Work in Progress	115,607	264	20	0	87,815	11,475
Accumulation Adjustments	2	0	0	0	0	0
Total Electric Utility Plant	686,695	77,116	7,043	25,355	3,508,332	1,407,704
Accumulated Provisions for Depreciation and Amortization	260,332	6,560	2,635	12,420	1,677,105	738,146
Net Electric Utility Plant	406,948	8,577	4,409	12,935	1,831,227	669,558
Gas Utility Plant						
Utility Plant in Service	52,894	0	5,257	6,872	0	150,609
Leased to Others	0	0	0	0	0	0
Need for Future Use	0	0	0	1	0	0
Construction Work in Progress	7,346	0	71	0	0	967
Accumulation Adjustments	0	0	0	0	0	0
Total Gas Utility Plant	54,239	0	5,265	6,873	0	151,576
Accumulated Provisions for Depreciation and Amortization	27,497	0	1,937	4,164	0	66,381
Net Gas Utility Plant	26,742	0	3,328	2,709	0	85,195
Other Utility Plant						
Utility Plant in Service	14,946	0	1,867	16,356	28,122	110,884
Leased to Others	0	0	0	0	0	0
Need for Future Use	0	0	0	0	0	0
Construction Work in Progress	411	0	0	0	715	1,673
Accumulation Adjustments	0	0	0	0	0	0
Total Other Utility Plant	15,356	0	1,867	16,356	28,836	112,558
Accumulated Provisions for Depreciation and Amortization	6,261	0	676	3,937	14,825	42,102
Net Other Utility Plant	10,101	0	1,193	12,422	14,012	70,456
Total Utility Plant						
Utility Plant in Service	736,122	76,853	14,136	48,584	3,328,575	1,540,853
Nuclear Fuel	0	0	0	0	113,003	116,870
Leased to Others	2,832	0	0	0	0	0
Need for Future Use	36	0	0	1	6,961	0
Construction Work in Progress	117,624	264	97	0	88,629	14,115
Accumulation Adjustments	2	0	0	0	0	0
Total Utility Plant	756,617	77,116	14,175	48,586	3,537,168	1,671,838
Accumulated Provisions for Depreciation and Amortization	312,826	6,560	4,446	20,521	1,691,930	846,629
Net Total Utility Plant	443,790	8,577	9,229	28,065	1,845,238	825,209
Intangible Plant						
Origination	0	0	0	1	0	51
Franchises and Consents	0	0	0	0	0	0
Miscellaneous Intangible Plant	0	0	0	0	0	0
Total Intangible Plant	0	0	0	1	0	51
Steam Production Plant						
Land and Land Rights	31	0	0	67	7,736	6,173
Structures and Improvements	9,079	0	0	1,432	241,580	80,296
Boiler Plant Equipment	43,692	0	0	2,044	733,947	333,021
Engines and Engine-Driven Generators	7	0	0	0	0	0
Turbogenerator Units	5,301	0	0	1,113	223,563	83,790
Accessory Electric Equipment	3,870	0	0	554	154,025	24,846
Miscellaneous Power Plant Equipment	360	0	0	43	28,296	8,478
Total Steam Production Plant	62,370	0	0	5,254	1,389,148	537,604

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Wisconsin Northern States Power Co.	Wisconsin Northwestern Wisconsin Elec. Co.	Wisconsin South Beloit Water and Elec. Co.	Wisconsin Superior Water Light & Power Co.	Wisconsin Wisconsin Electric Power Co.	Wisconsin Wisconsin Power & Light Co.
Nuclear Production Plant						
Land and Land Rights	0	0	0	0	624	434
Structures and Improvements	0	0	0	0	44,593	18,772
Reactor Plant Equipment	0	0	0	0	136,816	62,602
Turbogenerator Units	0	0	0	0	57,937	19,110
Accessory Electric Equipment	0	0	0	0	19,871	13,179
Miscellaneous Power Plant Equipment	0	0	0	0	10,325	4,743
Total Nuclear Production Plant	0	0	0	0	270,165	118,840
Hydraulic Production Plant						
Land and Land Rights	0,447	62	13	0	1,697	1,268
Structures and Improvements	15,120	118	129	0	2,350	679
Reservoirs, Dams and Waterways	10,100	1,080	186	0	10,338	4,450
Water Wheels, Turbines and Generators	24,399	2,102	78	0	4,328	1,944
Accessory Electric Equipment	12,723	87	14	0	3,449	781
Miscellaneous Power Plant Equipment	2,870	17	1	0	111	364
Roads, Railroads and Bridges	0	0	0	0	166	0
Total Hydraulic Production Plant	169,291	1,574	423	0	22,640	9,685
Other Production Plant						
Land and Land Rights	196	34	0	0	67	18
Structures and Improvements	2,062	260	0	0	2,677	375
Gas Holders, Piping and Accessories	0,290	51	0	0	1,124	831
Pump Motors	20,892	1,410	0	0	28,826	12,255
Generators	12,962	405	0	0	6,148	2,984
Accessory Electric Equipment	0,184	161	0	0	2,370	1,602
Miscellaneous Power Plant Equipment	533	16	0	0	711	52
Total Other Production Plant	49,125	2,357	0	0	41,922	17,515
Total Production Plant	280,748	3,931	423	5,254	1,723,875	683,646
Transmission Plant						
Land and Land Rights	8,907	98	32	415	16,978	6,424
Structures and Improvements	1,542	0	0	1	3,415	2,883
Station Equipment	83,984	848	0	4,543	90,617	88,833
Towers and Fixtures	0,614	0	39	92	29,907	7,818
Poles and Fittings	28,819	735	101	1,477	28,304	30,923
Overhead Conductors and Devices	11,801	767	184	1,856	52,123	42,938
Underground Conduit	8	1	0	34	8,227	11
Underground Conductors and Devices	160	126	0	0	9,445	2,681
Roads and Ties	106	0	0	0	0	3
Total Transmission Plant	139,132	2,428	355	8,417	239,017	182,414
Distribution Plant						
Land and Land Rights	680	37	42	15	6,859	855
Structures and Improvements	497	174	91	29	16,897	2,281
Station Equipment	40,040	272	802	2,788	166,679	51,498
Storage Battery Equipment	0	0	5	0	0	0
Poles, Towers and Fixtures	39,944	2,032	879	1,697	142,616	79,122
Overhead Conductors and Devices	37,834	2,033	964	1,998	160,369	82,462
Underground Conduit	4,637	19	0	53	68,805	882
Underground Conductors and Devices	19,006	1,421	799	1,083	211,955	36,314
Line Transformers	40,599	1,031	1,090	1,388	155,900	79,558
Services	23,731	1,069	817	737	91,665	35,604
Meters	14,164	487	385	1,328	80,485	24,863
Installations on Customers' Premises	2,640	10	0	47	4,140	0
Leased Property on Customers' Premises	216	0	0	0	117	0
Street Lighting and Signal Systems	3,473	154	93	274	8,361	5,654
Total Distribution Plant	227,543	8,979	6,224	11,437	1,115,849	399,093

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas&Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
General Plant						
Land and Land Rights	228	23	0	0	5,705	81
Structures and Improvements	2,650	428	0	0	98,031	1,222
Office Furniture and Equipment	1,666	48	0	0	29,333	2,630
Transportation Equipment	7,833	291	0	0	34,042	168
Stores Equipment	65	0	0	0	3,269	0
Tools, Shop and Garage Equipment	1,842	54	0	93	6,027	1,683
Laboratory Equipment	1,435	16	0	131	4,959	3,949
Power Operated Equipment	968	515	0	0	6,788	2,386
Communication Equipment	4,153	45	11	23	31,491	2,019
Miscellaneous Equipment	20	94	0	0	2,625	18
Subtotal General Plant	20,859	1,515	11	246	222,271	14,156
Other Tangible Property	0	0	0	0	0	0
Total General Plant	20,859	1,515	11	246	222,271	14,156
Electric Plant Purchased and Sold (net)	0	0	0	0	-558	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Utility Plant in Service	668,282	16,853	7,014	25,355	3,300,454	1,279,360
Additions						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	3,148	0	0	14	29,822	3,515
Nuclear Production Plant	0	0	0	0	7,072	1,307
Hydraulic Production Plant	12,057	71	36	0	282	91
Other Production Plant	852	10	0	0	-4	0
Total Production Plant	16,057	81	36	14	37,172	4,914
Transmission Plant	9,167	175	0	9	9,082	17,853
Distribution Plant	17,825	758	325	912	78,302	35,942
General Plant	1,884	266	0	23	21,435	1,447
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Additions	44,933	1,279	361	958	145,991	60,155
Retirements						
Intangible Plant	0	0	0	0	0	0
Production Plant						
Steam Production Plant	1,013	0	0	0	36,577	1,300
Nuclear Production Plant	0	0	0	0	518	711
Hydraulic Production Plant	503	8	0	0	17	8
Other Production Plant	411	23	0	0	93	131
Total Production Plant	1,927	31	0	0	37,205	2,149
Transmission Plant	828	22	0	4	278	1,160
Distribution Plant	2,981	68	36	152	11,931	6,161
General Plant	335	178	0	0	15,584	584
Electric Plant Purchased	0	0	0	0	0	0
Electric Plant Sold	0	0	0	0	0	0
Experimental Electric Plant Unclassified	0	0	0	0	0	0
Total Electric Plant Retirements	6,071	299	36	157	64,999	10,054

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp	Wisconsin River Power Co
Electric Utility Plant		
Utility Plant in Service	1,120,483	23,586
Nuclear Fuel	127,266	0
Leased to Others	0	0
Held for Future Use	0	0
Construction Work in Progress	6,295	128
Acquisition Adjustments	0	0
Total Electric Utility Plant	1,254,044	23,713
Accumulated Provisions for Depreciation and Amortization	735,443	12,056
Net Electric Utility Plant	518,601	11,657
Gas Utility Plant		
Utility Plant in Service	132,523	0
Leased to Others	0	0
Held for Future Use	0	0
Construction Work in Progress	81	0
Acquisition Adjustments	0	0
Total Gas Utility Plant	132,603	0
Accumulated Provisions for Depreciation and Amortization	73,958	0
Net Gas Utility Plant	58,646	0
Other Utility Plant		
Utility Plant in Service	89,893	0
Leased to Others	0	0
Held for Future Use	0	0
Construction Work in Progress	476	0
Acquisition Adjustments	0	0
Total Other Utility Plant	90,368	0
Accumulated Provisions for Depreciation and Amortization	43,676	0
Net Other Utility Plant	46,693	0
Total Utility Plant		
Utility Plant in Service	1,342,898	23,586
Nuclear Fuel	127,266	0
Leased to Others	0	0
Held for Future Use	0	0
Construction Work in Progress	6,852	128
Acquisition Adjustments	0	0
Total Utility Plant	1,477,015	23,713
Accumulated Provisions for Depreciation and Amortization	853,076	12,056
Net Total Utility Plant	523,940	11,657
Intangible Plant		
Organization	0	12
Franchises and Consents	188	6
Miscellaneous Intangible Plant	0	0
Total Intangible Plant	188	18
Steam Production Plant		
Land and Land Rights	3,789	0
Structures and Improvements	77,142	0
Boiler Plant Equipment	292,540	0
Engines and Engine Driven Generators	0	0
Turbogenerator Units	73,737	0
Accessory Electric Equipment	36,943	0
Miscellaneous Power Plant Equipment	9,521	0
Total Steam Production Plant	493,672	0

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp	Wisconsin River Power Co
Nuclear Production Plant		
Land and Land Rights	436	0
Structures and Improvements	18,428	0
Reactor Plant Equipment	62,348	0
Turbogenerator Units	19,499	0
Accessory Electric Equipment	13,374	0
Miscellaneous Power Plant Equipment	4,739	0
Total Nuclear Production Plant	118,825	0
Hydraulic Production Plant		
Land and Land Rights	1,801	3,535
Structures and Improvements	2,811	1,072
Reservoirs, Dams and Waterways	9,618	13,603
Water Wheels, Turbines and Generators	6,175	3,058
Accessory Electric Equipment	2,897	1,061
Miscellaneous Power Plant Equipment	126	235
Roads, Railroads and Bridges	22	33
Total Hydraulic Production Plant	23,451	22,597
Other Production Plant		
Land and Land Rights	47	0
Structures and Improvements	740	0
Fuel Holders, Producers and Accessories	414	0
Prime Movers	0	0
Generators	11,541	0
Accessory Electric Equipment	1,007	0
Miscellaneous Power Plant Equipment	33	0
Total Other Production Plant	13,782	0
Total Production Plant	649,729	22,597
Transmission Plant		
Land and Land Rights	7,329	0
Structures and Improvements	0	50
Station Equipment	59,042	414
Towers and Fixtures	2,918	0
Poles and Fixtures	22,888	0
Overhead Conductors and Devices	23,933	0
Underground Conduit	35	0
Underground Conductors and Devices	298	0
Roads and Trails	0	0
Total Transmission Plant	116,442	465
Distribution Plant		
Land and Land Rights	929	0
Structures and Improvements	13	0
Station Equipment	28,433	0
Storage Battery Equipment	0	0
Poles, Towers and Fixtures	52,777	0
Overhead Conductors and Devices	53,543	0
Underground Conduit	3,575	0
Underground Conductors and Devices	32,532	0
Line Transformers	94,494	0
Services	47,242	0
Meters	15,136	0
Installations on Customers Premises	1,553	0
Leased Property on Customers Premises	0	0
Street Lighting and Signal Systems	3,453	0
Total Distribution Plant	333,680	0

See endnotes at end of an individual electric utility.

**Table 41. Utility Plant by Investor-Owned Electric Utility
Within State on December 31, 1989 (Continued)**
(Thousand Dollars)

	Wisconsin Public Service Corp.	Wisconsin River Power Co.
General Plant		
Land and Land Rights	445	0
Structures and Improvements	6,295	210
Office Furniture and Equipment	856	8
Transportation Equipment	47	201
Stores Equipment	0	0
Tools, Shop and Garage Equipment	1,970	33
Laboratory Equipment	2,303	0
Power Operated Equipment	0	16
Communication Equipment	8,530	36
Miscellaneous Equipment	0	0
Subtotal General Plant	20,444	505
Other Tangible Property	0	0
Total General Plant	20,444	505
Electric Plant Purchased and Sold (net)	0	0
Experimental Electric Plant Unclassified	0	0
Total Electric Utility Plant in Service	1,120,483	23,586
Additions		
Intangible Plant	188	0
Production Plant		
Steam Production Plant	16,182	0
Nuclear Production Plant	1,395	0
Hydraulic Production Plant	145	1,180
Other Production Plant	1	0
Total Production Plant	17,722	1,180
Transmission Plant	6,622	0
Distribution Plant	24,330	0
General Plant	1,410	96
Electric Plant Purchased	0	0
Electric Plant Sold	0	0
Experimental Electric Plant Unclassified	0	0
Total Electric Plant Additions	50,272	1,276
Retirements		
Intangible Plant	0	0
Production Plant		
Steam Production Plant	1,321	0
Nuclear Production Plant	494	0
Hydraulic Production Plant	13	70
Other Production Plant	2	0
Total Production Plant	1,829	70
Transmission Plant	1,766	0
Distribution Plant	3,711	0
General Plant	199	37
Electric Plant Purchased	0	0
Electric Plant Sold	0	0
Experimental Electric Plant Unclassified	0	0
Total Electric Plant Retirements	7,505	107

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989
(Megawatthours)**

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Generation¹						
Steam	29,915,818	5,677,320	13,681,189	3,775,362	4,641,535	12,208,170
Nuclear	11,635,660	0	2,276,588	0	0	8,844,242
Hydro-Conventional	6,104,827	0	32,537	0	0	198,604
Hydro-Pumped Storage	0	0	0	0	0	0
Other	0	728	1,000,976	0	7,169	12,504
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	47,656,305	5,678,048	16,991,290	3,775,362	4,648,704	21,263,520
Purchases						
Utility	1,228,111	0	1,841,802	947,899	2,999,663	6,768,586
Nonutility	91,272	0	22	0	0	5,674
Total	1,319,383	0	1,841,824	947,899	2,999,663	6,774,260
Interchanges						
In (gross)	3,991,477	0	102,639	0	1,236,410	318,824
Out (gross)	3,980,964	0	139,943	0	816,351	223,250
Net	10,513	0	-37,303	0	420,059	95,574
Transmission for/by Others (wheeling)						
Received	470,097	0	30,435,645	0	85,523	0
Delivered	442,961	0	29,823,683	0	126,022	0
Net	27,137	0	611,962	0	-40,499	0
Total Net Energy Generated and Received	49,013,338	5,678,048	19,407,773	4,723,261	8,027,927	28,133,354
Sales to Ultimate Consumers	36,789,697	0	14,876,171	0	6,088,702	14,574,233
Sales for Resale	9,055,334	5,678,048	2,612,680	4,626,354	1,416,555	12,128,587
Energy Furnished Without Charge	1,438	0	42,569	0	0	0
Energy Used by Company ¹	150,695	0	73,325	65,274	14,835	41,342
Energy Losses						
Transmission and Conversion Losses	1,286,180	0	0	31,633	335,308	0
Distribution Losses	1,729,994	0	0	0	172,527	0
Unaccounted for Losses	0	0	1,803,028	0	0	1,389,192
Total Energy Losses	3,016,174	0	1,803,028	31,633	507,835	1,389,192
Total Disposition of Energy	49,013,338	5,678,048	19,107,773	4,723,261	8,027,927	28,133,354

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

	California	California	California	Colorado	Connecticut	Connecticut
Item	Pacific Gas & Electric Co	San Diego Gas & Electric Co	Southern California Edison Co	Public Service Co of Colorado	Citizens Utilities Co	Connecticut Light & Power Co
Generation¹						
Steam	33,752,112	4,845,582	29,058,339	12,658,314	74,423	7,391,777
Nuclear	15,812, 16	3,045,879	12,722,736	540,909	0	11,503,302
Hydro-Conventional	10,109,219	0	3,171,278	144,215	23,073	341,649
Hydro-Pumped Storage	694,822	0	0	52,349	0	970,432
Other	57,872	269,839	2,823,442	19,074	158,871	61,315
(less) Energy for Pumping	1,001,590	0	0	88,282	0	1,321,783
Total Net Generation	59,424,851	8,161,300	47,775,795	13,326,579	256,367	18,946,692
Purchases						
Utility	5,194,566	6,860,223	9,149,828	6,504,490	911,673	3,195,705
Nonutility	12,951,004	553,474	19,351,463	818,264	119,376	949,613
Total	18,145,570	7,413,697	28,501,291	7,322,754	1,031,049	4,145,318
Interchanges						
In (gross)	4,790,978	110,678	40,918	6,607,414	108,913	4,972,432
Out (gross)	7,640,884	170,632	1,750	5,554,087	80,447	5,405,145
Net	-2,849,906	-59,954	39,168	1,053,327	28,466	-432,713
Transmission for/by Others (wheeling)						
Received	4,925,444	0	10,417,862	373,857	146,767	1,818,200
Delivered	1,473,499	0	9,397,524	1,423,174	143,271	1,818,200
Net	451,945	0	1,020,338	-1,049,317	3,496	0
Total Net Energy Generated and Received	75,172,460	15,515,043	77,336,592	20,653,343	1,319,378	22,659,297
Sales to Ultimate Consumers	68,200,485	13,426,567	67,636,863	18,146,562	1,197,683	20,455,660
Sales for Resale	1,711,644	1,012,185	1,498,885	965,350	1,298	526,938
Energy Furnished Without Charge	0	0	0	0	0	4,934
Energy Used by Company ¹	28,834	32,020	169,998	52,823	1,782	18,989
Energy Losses						
Transmission and Conversion Losses	5,231,497	93,773	0	1,012,425	43,379	0
Distribution Losses	0	0	0	476,183	2,318	0
Unaccounted for Losses	0	950,198	8,030,846	0	72,918	1,652,776
Total Energy Losses	5,231,497	1,043,971	8,030,846	1,488,608	118,615	1,652,776
Total Disposition of Energy	75,172,460	15,515,043	77,336,592	20,653,343	1,319,378	22,659,297

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

	Connecticut	Connecticut	Connecticut	Delaware	District of Columbia	Florida
Item	Connecticut Yankee Atom Power Co	Holyoke Power & Electric Co	United Illuminating Co	Delmarva Power & Light Co	Potomac Electric Power Co	Florida Power & Light Co
Generation ¹						
Steam	0	0	6,364,627	8,765,481	22,313,707	27,776,854
Nuclear	2,956,500	0	262,070	1,337,910	0	17,171,330
Hydro-Conventional	0	0	0	0	0	0
Hydro-Pumped Storage	0	0	0	0	0	0
Other	0	0	867	229,192	252,483	2,658,939
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	2,956,500	0	6,627,564	10,352,583	22,566,190	47,607,123
Purchases						
Utility	10,410	1,098,759	513,269	453,514	2,850,531	18,961,192
Nonutility	0	0	499,018	21,881	23,637	485,306
Total	10,410	1,098,759	1,012,287	475,395	2,874,168	19,446,498
Interchanges						
In (gross)	0	0	325,142	1,621,366	9,370,156	3,978,551
Out (gross)	0	1,094,798	2,361,490	894,402	9,721,911	1,360,706
Net	0	-1,094,798	-2,036,348	726,964	-351,755	2,617,845
Transmission for/by Others (wheeling)						
Received	0	0	26,873	4,035,845	0	6,006,770
Delivered	0	0	26,873	4,035,845	0	5,767,460
Net	0	0	0	0	0	239,310
Total Net Energy Generated and Received	2,966,910	3,961	5,603,503	11,554,942	25,088,603	69,910,776
Sales to Ultimate Consumers	0	0	5,307,008	8,997,823	21,538,657	63,291,727
Sales for Resale	2,961,818	3,961	0	1,831,015	1,946,162	854,477
Energy Furnished Without Charge	0	0	0	0	0	0
Energy Used by Company ¹	0	0	14,636	46,062	98,665	169,578
Energy Losses						
Transmission and Conversion Losses	5,092	0	0	0	0	0
Distribution Losses	0	0	0	0	0	0
Unaccounted for Losses	0	0	281,859	680,042	1,505,119	5,594,994
Total Energy Losses	5,092	0	281,859	680,042	1,505,119	5,594,994
Total Disposition of Energy	2,966,910	3,961	5,603,503	11,554,942	25,088,603	69,910,776

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

Item	Florida Florida Power Corp.	Florida Gulf Power Co.	Florida Tampa Electric Co.	Georgia Georgia Power Co.	Georgia Savannah Electric & Power Co.	Hawaii Hawaiian Electric Co. Inc.
Generation¹						
Steam	22,349,336	8,791,206	16,173,411	53,623,671	2,304,845	6,463,323
Nuclear	2,636,991	0	0	11,835,312	0	0
Hydro-Conventional	0	0	0	1,815,857	0	0
Hydro-Pumped Storage	0	0	0	185,499	0	0
Other	492,312	2,228	46,216	71,673	4,309	37,420
(less) Energy for Pumping	0	0	0	255,001	0	0
Total Net Generation	25,478,639	8,793,434	16,219,627	67,277,011	2,309,154	6,500,743
Purchases						
Utility	31,113	947,801	333,114	6,117,948	820,029	0
Nonutility	1,019,316	0	45,322	7,567	16,738	117,200
Total	1,050,429	947,801	378,436	6,125,515	836,767	117,200
Interchanges						
in (gross)	10,010,110	784,320	178,097	9,704,224	265,328	0
Out (gross)	7,670,219	783,476	0	9,761,051	266,045	0
Net	2,139,891	844	178,097	-56,827	-717	0
Transmission for/by Others (wheeling)						
Received	886,749	0	16,365	2,276,762	0	0
Delivered	850,648	0	15,765	2,206,345	0	0
Net	35,901	0	600	70,417	0	0
Total Net Energy Generated and Received	28,704,860	9,742,079	16,776,760	73,416,116	3,145,204	6,617,943
Sales to Ultimate Consumers	24,123,296	7,575,126	12,896,310	52,192,887	2,611,959	6,254,220
Sales for Resale	2,387,180	1,640,355	2,998,358	17,657,264	330,412	0
Energy Furnished Without Charge	0	0	0	0	0	0
Energy Used by Company ¹	186,750	19,161	38,669	194,343	24,977	14,577
Energy Losses						
Transmission and Conversion Losses	1,045,603	225,290	0	3,534,499	177,856	0
Distribution Losses	447,789	282,147	769,671	883,625	0	0
Unaccounted for Losses	514,232	0	73,752	-1,046,502	0	349,146
Total Energy Losses	2,007,624	507,437	843,423	3,371,622	177,856	349,146
Total Disposition of Energy	28,704,860	9,742,079	16,776,760	73,416,116	3,145,204	6,617,943

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

	Hawaii	Idaho	Illinois	Illinois	Illinois	Illinois
Item	Mau Electric Co Ltd	Idaho Power Co	Central Illinois Light Co	Central Illinois Pub Serv Co	Commonwealth Edison Co	Electric Energy Inc
Generation¹						
Steam	231,107	6,015,552	5,062,581	9,763,103	14,152,010	5,972,716
Nuclear	0	0	0	0	69,329,957	0
Hydro-Conventional	0	7,443,612	0	0	9,970	0
Hydro-Pumped Storage	0	0	0	0	0	0
Other	437,301	1,870	1,149	40	10,813	0
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	668,408	13,461,034	5,063,730	9,763,143	83,502,750	5,972,716
Purchases						
Utility	0	707,309	0	118,061	465,312	2,669,610
Nonutility	118,106	484,543	3,843	5	58,436	0
Total	118,106	1,191,852	3,843	118,066	523,748	2,669,610
Interchanges						
In (gross)	5,918	608,644	346,504	1,352,879	1,059,716	0
Out (gross)	3,278	303,746	225,630	3,148,896	5,831,959	0
Net	2,640	304,898	120,874	-1,796,017	-4,772,243	0
Transmission for by Others (wheeling)						
Received	0	4,604,326	81,880	171,398	0	0
Delivered	0	4,604,326	81,880	164,806	0	0
Net	0	0	0	6,592	0	0
Total Net Energy Generated and Received	789,154	14,957,784	5,188,447	8,091,784	79,254,255	8,642,326
Sales to Ultimate Consumers	731,369	11,069,080	4,975,474	7,190,309	69,149,032	7,827,769
Sales for Resale	0	2,934,764	14,000	306,229	3,061,568	774,575
Energy Furnished Without Charge	1,365	0	8,616	2,919	205,112	0
Energy Used by Company ¹	0	0	16,732	9,039	0	0
Energy Losses						
Transmission and Conversion Losses	0	473,395	0	6,592	0	39,982
Distribution Losses	0	480,545	0	0	0	0
Unaccounted for Losses	56,420	0	173,625	576,696	6,838,543	0
Total Energy Losses	56,420	953,940	173,625	583,288	6,838,543	39,982
Total Disposition of Energy	789,154	14,957,784	5,188,447	8,091,784	79,254,255	8,642,326

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatt-hours)

Item	Illinois Power Co.	Illinois Mt. Carmel Public Utility Co.	Indiana Alcoa Generating Corp.	Indiana AEP Generating Co.	Indiana Commonwealth Edison Co. of Indiana Inc.	Indiana Michigan Power Co.
Generation¹						
Steam	14,134,689	0	4,310,571	4,116,063	465,312	10,633,587
Nuclear	2,456,268	0	0	0	0	12,094,033
Hydro-Conventional	-64	0	0	0	0	96,908
Hydro-Pumped Storage	0	0	0	0	0	0
Other	4,768	0	0	0	0	60
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	16,595,661	0	4,310,571	4,116,063	465,312	22,824,588
Purchases						
Utility	272,221	162,881	990,404	0	0	2,229,206
Nonutility	298	0	0	0	0	0
Total	272,519	162,881	990,404	0	0	2,229,206
Interchanges						
In (gross)	3,201,809	0	202,563	349,217	0	6,970,503
Out (gross)	3,306,327	0	202,563	0	0	8,912,270
Net	-104,518	0	0	349,217	0	-1,941,767
Transmission for/by Others (wheeling)						
Received	0	0	5,149	0	0	945,278
Delivered	0	0	1,448	0	0	945,278
Net	0	0	3,701	0	0	0
Total Net Energy Generated and Received	16,763,662	162,881	5,304,676	4,465,280	465,312	23,112,027
Sales to Ultimate Consumers	15,230,926	147,983	5,297,087	0	0	13,147,904
Sales for Resale	610,243	2,777	0	4,465,280	465,312	8,357,952
Energy Furnished Without Charge	60,999	394	0	0	0	75
Energy Used by Company ¹	53,518	621	6,589	0	0	0
Energy Losses						
Transmission and Conversion Losses	0	0	0	0	0	0
Distribution Losses	807,976	0	0	0	0	0
Unaccounted for Losses	0	11,106	0	0	0	1,506,096
Total Energy Losses	807,976	11,106	0	0	0	1,506,096
Total Disposition of Energy	16,763,662	162,881	5,304,676	4,465,280	465,312	23,112,027

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 42. Electric Energy Account by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Megawatthours)

Item	Indiana Indianapolis Power & Light Co.	Indiana Northern Indiana Public Service Co.	Indiana Public Service Co. of Indiana Inc.	Indiana Southern Indiana Gas & Elec Co.	Iowa Interstate Power Co.	Iowa Iowa Electric Light & Power Co.
Generation¹						
Steam	11,927,723	13,514,796	24,212,125	5,290,612	3,423,271	1,476,506
Nuclear	0	0	0	0	0	2,228,068
Hydro-Conventional	0	56,137	345,727	0	0	1,902
Hydro-Pumped Storage	0	0	0	0	0	0
Other	1,984	3,318	2,104	11,734	-103	3,998
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	11,929,707	13,574,551	24,559,956	5,302,346	3,423,168	3,710,474
Purchases						
Utility	0	39,723	-2,449,176	279,222	506,189	546,446
Nonutility	166	394	0	0	0	919
Total	166	40,117	-2,449,176	279,222	506,189	547,365
Interchanges						
In (gross)	371,462	1,329,886	1,153,094	908,036	1,040,583	3,673,612
Out (gross)	168,369	1,327,501	1,179,403	902,987	343,870	3,081,920
Net	103,093	2,385	-26,309	5,049	696,713	591,692
Transmission for/by Others (wheeling)						
Received	0	991,393	4,936,110	110,558	977,023	268,119
Delivered	0	991,393	4,874,413	110,558	923,354	267,342
Net	0	0	61,697	0	53,669	777
Total Net Energy Generated and Received	12,032,966	13,617,053	22,146,168	5,586,617	4,679,739	4,850,308
Sales to Ultimate Consumers	11,226,802	12,750,635	17,585,622	3,912,855	4,152,712	4,137,035
Sales for Resale	21,594	185,565	3,104,569	1,430,936	207,134	349,554
Energy Furnished Without Charge	0	0	0	0	0	0
Energy Used by Company ¹	31,444	0	60,768	2,139	8,442	15,024
Energy Losses						
Transmission and Conversion Losses	0	0	1,005,294	0	0	0
Distribution Losses	753,126	0	389,915	240,687	0	0
Unaccounted for Losses	0	680,853	0	0	311,451	348,695
Total Energy Losses	753,126	680,853	1,395,209	240,687	311,451	348,695
Total Disposition of Energy	12,032,966	13,617,053	22,146,168	5,586,617	4,679,739	4,850,308

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa- Illinois Gas & Electric Co	Kansas Centel Corp	Kansas Gas & Electric Co
Generation¹						
Steam	4,165,723	4,246,942	2,583,677	4,138,326	1,527,222	5,016,010
Nuclear	0	0	0	2,656,272	0	4,569,817
Hydro-Conventional	0	0	0	21,007	0	0
Hydro-Pumped Storage	0	0	0	0	0	0
Other	14,341	17,284	-204	-1,185	4,681	0
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	4,180,064	4,264,226	2,583,-73	6,814,420	1,531,903	9,585,827
Purchases						
Utility	2,396,575	0	6,294	-276,167	1,425,099	57,150
Nonutility	0	0	0	0	0	238
Total	2,396,575	0	6,294	-276,167	1,425,099	57,388
Interchanges						
In (gross)	547,404	1,899,198	876,264	274,189	644,138	4,772,613
Out (gross)	1,528,196	493,708	1,089,062	2,032,187	644,121	4,772,613
Net	-980,792	1,405,490	-212,798	-1,757,998	17	0
Transmission for/bv Others (wheeling)						
Received	261,818	0	190,233	0	360,860	0
Delivered	265,521	0	191,586	0	368,168	0
Net	-3,703	0	-1,353	0	1,692	0
Total Net Energy Generated and Received	5,592,144	5,669,716	2,375,616	4,780,255	2,958,711	9,643,215
Sales to Ultimate Consumers	5,202,753	3,355,101	2,013,047	4,439,510	2,297,100	6,881,318
Sales for Resale	39,251	1,966,505	150,700	5,770	357,814	2,062,967
Energy Furnished Without Charge	0	0	0	0	168	0
Energy Used by Company ¹	14,633	22,300	0	20,788	3,067	24,322
Energy Losses						
Transmission and Conversion Losses	0	0	0	0	178,827	407,229
Distribution Losses	0	0	0	0	117,963	267,379
Unaccounted for Losses	335,507	325,810	211,869	314,187	3,772	0
Total Energy Losses	335,507	325,810	211,869	314,187	300,562	674,608
Total Disposition of Energy	5,592,144	5,669,716	2,375,616	4,780,255	2,958,711	9,643,215

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
Generation ¹						
Steam	9,874,465	6,481,045	12,536,661	9,744,103	0	0
Nuclear	0	0	0	0	0	0
Hydro-Conventional	0	0	98,855	350,796	0	0
Hydro-Pumped Storage	0	0	0	0	0	0
Other	28,961	0	389	805	0	0
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	9,903,426	6,481,045	12,635,905	10,095,704	0	0
Purchases						
Utility	1,416	1,596,875	1,299,908	610,219	0	2,687,968
Nonutility	9,541	0	0	0	0	0
Total	10,957	1,596,875	1,299,908	610,219	0	2,687,968
Interchanges						
In (gross)	441,360	2,175,481	8,474,900	158,458	0	0
Out (gross)	558,075	2,918,274	8,483,929	612,158	0	0
Net	-116,715	-742,793	-9,029	-453,700	0	0
Transmission for/by Others (wheeling)						
Received	0	182,360	0	280,244	0	0
Delivered	0	182,360	0	280,244	0	0
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	9,797,668	7,335,127	13,926,784	10,252,223	0	2,687,968
Sales to Ultimate Consumers	7,046,532	5,410,303	10,923,112	9,010,178	0	2,531,851
Sales for Resale	2,017,861	1,462,711	2,253,407	764,489	0	40,530
Energy Furnished Without Charge	0	0	1,691	634	0	0
Energy Used by Company ¹	17,695	0	18,896	69,916	0	892
Energy Losses						
Transmission and Conversion Losses	0	0	400,815	154,214	0	0
Distribution Losses	0	0	328,863	252,792	0	0
Unaccounted for Losses	715,580	462,113	0	0	0	114,595
Total Energy Losses	715,580	462,113	729,678	407,006	0	114,595
Total Disposition of Energy	9,797,668	7,335,127	13,926,784	10,252,223	0	2,687,968

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 42. Electric Energy Account by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Megawatthours)

Item	Louisiana Central Louisiana Electric Co Inc	Louisiana Louisiana Power & Light Co	Louisiana New Orleans Public Service Inc	Louisiana Southwestern Electric Power Co	Maine Bangor Hydro- Electric Co	Maine Central Maine Power Co
Generation¹						
Steam	5,681,356	11,107,131	1,717,986	15,695,293	210,965	2,079,036
Nuclear	0	7,603,722	0	0	0	176,928
Hydro-Conventional	0	0	0	0	197,735	1,387,243
Hydro-Pumped Storage	0	0	0	0	0	0
Other	72	2,827	0	0	5,436	5,620
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	5,681,428	18,713,680	1,717,986	15,695,293	414,136	3,648,827
Purchases						
Utility	79,675	8,985,957	4,130,990	1,121,011	715,991	4,168,891
Nonutility	156	90,916	461	9,887	571,083	2,328,573
Total	79,831	9,076,873	4,131,451	1,130,898	1,287,074	6,497,464
Interchanges						
In (gross)	363,028	341,588	0	0	311,145	749,321
Out (gross)	314,282	344,721	0	0	260,075	864,861
Net	48,746	-3,133	0	0	51,070	-115,540
Transmission for/by Others (wheeling)						
Received	2,929,080	0	0	540,171	92,649	0
Delivered	2,929,080	0	0	540,171	92,649	0
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	5,810,005	27,787,420	5,849,437	16,826,191	1,752,281	10,030,751
Sales to Ultimate Consumers	5,414,067	25,433,711	5,194,423	12,177,023	1,587,443	9,018,479
Sales for Resale	9,509	1,014,177	283,903	3,705,644	21,790	381,334
Energy Furnished Without Charge	6,248	2,624	0	481	0	3,660
Energy Used by Company ¹	9,582	34,497	6,896	79,660	5,740	23,852
Energy Losses						
Transmission and Conversion Losses	0	0	0	625,789	25,911	0
Distribution Losses	0	0	0	237,594	111,396	0
Unaccounted for Losses	370,599	1,302,411	364,215	0	0	603,426
Total Energy Losses	370,599	1,302,411	364,215	863,383	137,307	603,426
Total Disposition of Energy	5,810,005	27,787,420	5,849,437	16,826,191	1,752,281	10,030,751

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	Maine Maine Electric Power Co. Inc.	Maine Maine Public Service Co.	Maine Maine Yankee Atomic Power Co.	Maryland Baltimore Gas & Electric Co.	Maryland Potomac Edison Co.	Massachusetts Boston Edison Co.
Generation ¹						
Steam	0	91,361	0	15,335,293	11,538,206	9,922,377
Nuclear	0	0	6,941,706	2,719,197	0	1,707,755
Hydro-Conventional	0	5,676	0	0	51,155	0
Hydro-Pumped Storage	0	0	0	0	471,145	0
Other	0	2,468	0	240,979	0	48,928
(less) Energy for Pumping	0	0	0	0	550,944	0
Total Net Generation	0	99,505	6,941,706	18,295,469	11,509,562	11,679,060
Purchases						
Utility	642,894	537,837	0	1,857,013	229,840	4,078,189
Nonutility	0	126,678	0	286,167	3,231	38,890
Total	642,894	664,515	0	2,143,180	233,071	4,117,079
Interchanges						
In (gross)	0	0	0	6,816,204	7,481,957	1,170,847
Out (gross)	0	0	0	594,764	239,680	2,090,238
Net	0	0	0	6,221,440	7,242,277	-919,391
Transmission for by Others (wheeling)						
Received	5,202,213	0	0	0	107,942	0
Delivered	5,202,213	0	0	0	107,942	0
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	642,894	764,020	6,941,706	26,660,089	16,984,910	14,936,748
Sales to Ultimate Consumers	0	532,924	0	24,791,062	10,129,151	12,614,301
Sales for Resale	642,894	189,778	6,921,582	0	7,838,151	1,138,682
Energy Furnished Without Charge	0	0	0	0	0	0
Energy Used by Company ²	0	1,071	0	142,226	14,865	99,875
Energy Losses						
Transmission and Conversion Losses	0	0	20,124	0	0	335,818
Distribution Losses	0	0	0	1,726,801	0	748,072
Unaccounted for Losses	0	40,247	0	0	1,002,743	0
Total Energy Losses	0	40,247	20,124	1,726,801	1,002,743	1,083,890
Total Disposition of Energy	642,894	764,020	6,941,706	26,660,089	18,984,910	14,936,748

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

	Massachusetts Cambridge Electric Light Co	Massachusetts Canal Electric Co	Massachusetts Commonwealth Electric Co	Massachusetts Eastern Edison Co	Massachusetts Fitchburg Gas & Electric Light Co	Massachusetts Holyoke Water Power Co
Generation¹						
Steam	248,139	5,094,092	184,856	0	133,637	1,094,798
Nuclear	0	0	0	0	15,433	0
Hydro-Conventional	0	0	0	0	0	226,433
Hydro-Pumped Storage	0	0	0	0	0	0
Other	7,284	0	6,837	0	10,188	0
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	255,423	5,094,092	191,693	0	159,258	1,321,231
Purchases						
Utility	898,132	608,416	3,219,409	2,642,270	176,138	429,957
Nonutility	0	0	568,760	0	64,477	0
Total	898,132	608,416	3,788,169	2,642,270	240,615	429,957
Interchanges						
In (gross)	373,117	0	351,951	0	58,839	39,804
Out (gross)	116,376	0	648,423	0	40,346	1,516,111
Net	256,741	0	-296,472	0	18,493	-1,476,307
Transmission for by Others (wheeling)						
Received	0	0	0	0	0	96
Delivered	0	0	0	0	0	96
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	1,410,296	5,702,508	3,683,390	2,642,270	418,366	274,881
Sales to Ultimate Consumers	1,269,257	0	3,423,883	2,502,301	373,741	119,485
Sales for Resale	97,468	5,702,508	2	0	2,170	157,506
Energy Furnished Without Charge	0	0	0	0	3,835	0
Energy Used by Company ¹	1,271	0	9,230	3,528	1,154	528
Energy Losses						
Transmission and Conversion Losses	0	0	0	0	13,532	0
Distribution Losses	0	0	0	0	0	0
Unaccounted for Losses	42,300	0	250,275	136,441	23,933	-2,638
Total Energy Losses	42,300	0	250,275	136,441	37,465	-2,638
Total Disposition of Energy	1,410,296	5,702,508	3,683,390	2,642,270	418,366	274,881

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

	Massachusetts Massachusetts Electric Co	Massachusetts Montaup Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
Generation ¹						
Steam	0	3,073,833	14,372,990	468,928	0	18,002,546
Nuclear	0	285,112	868,270	2,685,655	1,314,529	4,025,033
Hydro-Conventional	0	0	1,459,308	388,153	0	406,488
Hydro-Pumped Storage	0	0	475,934	223,819	0	829,684
Other	0	11,888	24,263	15,766	0	20,939
(less) Energy for Pumping	0	0	657,121	307,209	0	1,175,908
Total Net Generation	0	3,370,833	16,543,644	3,475,112	1,314,529	22,108,782
Purchases						
Utility	16,710,839	2,196,252	6,114,257	1,098,686	0	31,807
Nonutility	6,101	0	996,329	38,868	0	526,759
Total	16,716,940	2,196,251	7,110,586	1,137,554	0	558,566
Interchanges						
In (gross)	0	262,082	2,063,653	593,675	0	11,300,710
Out (gross)	0	708,212	2,810,771	944,007	0	1,717,775
Net	0	-446,130	-747,118	-350,332	0	9,582,935
Transmission for/by Others (wheeling)						
Received	0	0	0	423,090	0	3,318,329
Delivered	0	0	0	423,090	0	3,318,329
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	16,716,940	5,120,954	22,907,112	4,262,334	1,314,529	32,250,283
Sales to Ultimate Consumers	15,543,677	0	13,671	3,816,513	0	28,766,767
Sales for Resale	6,760	5,072,462	22,376,946	11,304	1,307,102	900,268
Energy Furnished Without Charge	0	0	0	9,941	0	0
Energy Used by Company ¹	15,268	0	56,669	14,480	0	10,757
Energy Losses						
Transmission and Conversion Losses	0	48,492	0	408,096	7,427	0
Distribution Losses	0	0	459,826	0	0	0
Unaccounted for Losses	1,151,235	0	0	0	0	2,572,491
Total Energy Losses	1,151,235	48,492	459,826	408,096	7,427	2,572,491
Total Disposition of Energy	16,716,940	5,120,954	22,907,112	4,262,334	1,314,529	32,250,283

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

	Michigan	Michigan	Michigan	Michigan	Minnesota	Minnesota
Item	Detroit Edison Co	Edison Sault Electric Co	Michigan Power Co	Upper Peninsula Power Co	Minnesota Power & Light Co	Northern States Power Co
Generation						
Steam	41,546,827	0	0	111,528	6,055,504	19,767,267
Nuclear	4,611,573	0	0	0	0	10,926,436
Hydro-Conventional	0	213,510	11,218	130,010	561,938	69,992
Hydro-Pumped Storage	797,146	0	0	0	0	0
Other	3,748	402	0	1,478	0	3,389
(less) Energy for Pumping	1,129,803	0	0	0	0	0
Total Net Generation	45,829,491	213,912	11,218	243,016	6,617,442	30,767,064
Purchases						
Utility	2,333,514	439,596	834,170	554,516	3,762,495	5,319,824
Nonutility	51,374	0	0	0	2	127,775
Total	2,384,888	439,596	834,170	554,516	3,762,497	5,447,599
Interchanges						
In (gross)	4,946,016	0	0	55,401	2,515,125	12,360,821
Out (gross)	9,455,904	0	0	21,573	2,478,289	17,339,522
Net	-4,509,888	0	0	33,828	36,836	-4,978,701
Transmission for by Others (wheeling)						
Received	14,035	0	0	0	1,163,096	1,228,179
Delivered	14,035	0	0	0	1,091,391	1,003,533
Net	0	0	0	0	71,705	224,646
Total Net Energy Generated and Received	43,704,491	653,508	845,388	831,360	10,488,480	31,460,628
Sales to Ultimate Consumers	39,594,170	496,290	720,971	666,150	8,457,696	25,235,767
Sales for Resale	991,106	120,868	83,476	116,555	1,475,618	4,431,004
Energy Furnished Without Charge	0	0	0	0	0	1,342
Energy Used by Company ¹	129,501	1,714	0	3,770	20,232	40,910
Energy Losses						
Transmission and Conversion Losses	0	0	0	0	0	0
Distribution Losses	0	0	0	0	534,934	0
Unaccounted for Losses	2,989,714	34,636	40,941	44,885	0	1,691,605
Total Energy Losses	2,989,714	34,636	40,941	44,885	534,934	1,691,605
Total Disposition of Energy	43,704,491	653,508	845,388	831,360	10,488,480	31,460,628

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	Minnesota Otter Tail Power Co	Mississippi Mississippi Power & Light Co	Mississippi Mississippi Power Co	Mississippi System Energy Resources Inc	Missouri Empire District Electric Co	Missouri Kansas City Power & Light Co
Generation ¹						
Steam	2,390,272	4,471,350	7,719,333	0	2,367,542	9,208,452
Nuclear	0	0	0	7,063,519	0	4,556,080
Hydro-Conventional	14,490	0	0	0	64,144	0
Hydro-Pumped Storage	0	0	0	0	0	0
Other	214	348	359,129	0	8,968	83
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	2,404,976	4,471,698	8,078,462	7,063,519	2,440,654	13,764,615
Purchases						
Utility	1,068,595	6,194,425	1,630,439	0	944,617	15,505
Nonutility	2,742	14,089	0	0	0	24
Total	1,071,337	6,208,514	1,630,439	0	944,617	15,529
Interchanges						
In (gross)	0	0	822,366	0	732,728	1,111,691
Out (gross)	0	0	789,347	0	732,726	3,989,312
Net	0	0	33,019	0	2	-2,877,621
Transmission for by Others (wheeling)						
Received	1,017,836	2,792,769	761,312	0	0	1,132,223
Delivered	471,273	2,792,769	771,798	0	0	1,132,223
Net	546,563	0	-10,486	0	0	0
Total Net Energy Generated and Received	4,022,876	10,680,212	9,731,434	7,063,519	3,385,273	10,902,523
Sales to Ultimate Consumers	2,779,185	8,806,746	6,719,976	0	2,470,904	10,099,104
Sales for Resale	477,494	1,037,885	2,550,425	7,063,519	651,327	120,509
Energy Furnished Without Charge	25	0	0	0	0	0
Energy Used by Company ²	12,738	15,591	18,558	0	7,500	45,729
Energy Losses						
Transmission and Conversion Losses	144,424	0	264,309	0	32,607	0
Distribution Losses	113,476	0	178,166	0	222,935	0
Unaccounted for Losses	495,534	819,990	0	0	0	637,181
Total Energy Losses	753,434	819,990	442,475	0	255,542	637,181
Total Disposition of Energy	4,022,876	10,680,212	9,731,434	7,063,519	3,385,273	10,902,523

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Missouri UtiliCorp United Inc	Montana Montana Power Co	Nevada Nevada Power Co	Nevada Sierra Pacific Power Co
Generation¹						
Steam	1,130,070	23,088,954	2,661,632	6,377,952	5,780,691	3,428,548
Nuclear	0	8,344,252	0	0	0	0
Hydro-Conventional	0	1,030,189	0	3,291,154	0	41,360
Hydro-Pumped Storage	0	11,869	0	0	0	0
Other	2,314	6,401	9,001	420	130,667	1,291
(less) Energy for Pumping	0	52,274	0	0	0	0
Total Net Generation	1,132,384	32,429,391	2,670,633	9,669,526	5,911,358	3,471,199
Purchases						
Utility	0	238,791	359,002	1,323,170	2,989,833	1,922,797
Nonutility	0	7,190	0	32,467	0	334,379
Total	0	245,981	359,002	1,355,637	2,989,833	2,257,176
Interchanges						
In (gross)	615,273	3,005,535	859,806	9,790,245	0	6,624
Out (gross)	339,900	3,143,196	54,374	9,893,507	0	26,282
Net	275,373	-137,661	805,432	-103,262	0	-17,658
Transmission for/by Others (wheeling)						
Received	0	457,441	0	3,734,275	72,210	547,969
Delivered	0	457,441	0	3,713,871	72,210	548,810
Net	0	0	0	20,404	0	-841
Total Net Energy Generated and Received	1,407,757	32,537,711	3,835,067	10,942,305	8,901,191	5,709,876
Sales to Ultimate Consumers	1,305,204	28,611,444	3,351,872	6,775,397	8,357,651	5,121,039
Sales for Resale	0	1,534,507	168,838	3,264,554	33,163	154,440
Energy Furnished Without Charge	0	100	27	0	0	0
Energy Used by Company ¹	6,643	0	11,082	0	28,026	18,110
Energy Losses						
Transmission and Conversion Losses	41,810	0	0	0	0	416,287
Distribution Losses	54,100	0	0	0	0	0
Unaccounted for Losses	0	2,391,660	303,248	902,354	482,351	0
Total Energy Losses	95,910	2,391,660	303,248	902,354	482,351	416,287
Total Disposition of Energy	1,407,757	32,537,711	3,835,067	10,942,305	8,901,191	5,709,876

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item:	James River-NH Electric Inc	New England Electric Transmission Corp	Public Service Co of NH	Atlantic City Electric Co	Jersey Central Power & Light Co	Public Service Electric & Gas Co
Generation ¹						
Steam	92,747	0	6,090,191	4,466,829	3,064,181	17,156,381
Nuclear	0	0	202,509	1,667,330	4,192,643	13,921,824
Hydro-Conventional	181,898	0	344,103	0	0	0
Hydro-Pumped Storage	0	0	0	0	296,576	296,441
Other	0	0	19,380	126,783	1,309,763	721,763
(less) Energy for Pumping	0	0	0	0	447,546	447,442
Total Net Generation	274,645	0	6,656,183	6,260,942	8,415,617	31,648,967
Purchases						
Utility	88,093	0	1,249,943	1,646,268	7,426,258	5,204,903
Nonutility	0	0	1,131,524	0	1,318,356	441,649
Total	88,093	0	2,381,467	1,646,268	8,744,617	5,646,552
Interchanges						
In (gross)	0	0	685,668	914,710	2,210,958	4,259,713
Out (gross)	0	0	1,452,582	450,424	825,002	1,409,113
Net	0	0	-766,914	464,286	1,385,956	2,850,600
Transmission for/by Others (wheeling)						
Received	0	11,324,840	0	0	37,217	1,323,715
Delivered	0	11,324,840	0	0	37,217	1,323,715
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	362,738	0	8,270,736	8,371,496	18,546,190	40,146,119
Sales to Ultimate Consumers	341,275	0	6,377,705	7,617,784	16,591,637	37,117,501
Sales for Resale	429	0	1,278,122	0	314,033	153,201
Energy Furnished Without Charge	0	0	0	0	41,954	0
Energy Used by Company ²	0	0	68,844	115,316	64,499	109,312
Energy Losses						
Transmission and Conversion Losses	0	0	0	233,500	0	569,817
Distribution Losses	0	0	0	312,400	0	1,560,083
Unaccounted for Losses	21,034	0	546,065	92,496	1,534,067	636,205
Total Energy Losses	21,034	0	546,065	638,396	1,534,067	2,766,105
Total Disposition of Energy	362,738	0	8,270,736	8,371,496	18,546,190	40,146,119

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

Item	New Jersey Rockland Electric Co.	New Mexico Public Service Co. of NM	New York Central Hudson Gas & Electric Corp.	New York Consolidated Edison Co. NY Inc.	New York Long Island Lighting Co.	New York Long Sault Inc.
Generation¹						
Steam	0	6,759,598	5,224,225	25,358,661	13,464,411	0
Nuclear	0	772,235	385,525	4,445,924	770,992	0
Hydro-Conventional	0	0	115,654	0	0	0
Hydro-Pumped Storage	0	0	34,436	0	0	0
Other	0	740	18,047	994,629	985,545	0
(less) Energy for Pumping	0	0	53,085	0	0	0
Total Net Generation	0	7,532,573	5,724,802	30,799,214	15,220,948	0
Purchases						
Utility	1,240,146	1,062,280	232,157	9,565,146	2,232,972	0
Nonutility	0	0	75,352	358,955	44,288	0
Total	1,240,146	1,062,280	307,509	9,924,101	2,277,260	0
Interchanges						
In (gross)	0	743,865	34,028	196,816	0	0
Out (gross)	0	1,135,261	0	303,750	0	0
Net	0	-391,396	34,028	-106,934	0	0
Transmission for by Others (wheeling)						
Received	0	5,534,015	54,693	12,716,709	443,095	1,973,306
Delivered	0	5,390,459	54,693	12,716,709	0	1,973,306
Net	0	143,556	0	0	443,095	0
Total Net Energy Generated and Received	1,240,146	8,347,013	6,066,339	40,616,381	17,941,303	0
Sales to Ultimate Consumers	1,139,531	4,909,592	4,746,216	34,934,610	16,168,763	0
Sales for Resale	0	3,096,458	878,581	2,417,683	639,141	0
Energy Furnished Without Charge	0	0	253	71	37,864	0
Energy Used by Company ¹	1,641	24,863	10,252	164,863	71,479	0
Energy Losses						
Transmission and Conversion Losses	0	106,813	167,455	0	0	0
Distribution Losses	0	172,881	263,582	3,099,154	0	0
Unaccounted for Losses	98,974	36,405	0	0	1,024,056	0
Total Energy Losses	98,974	316,100	431,037	3,099,154	1,024,056	0
Total Disposition of Energy	1,240,146	8,347,013	6,066,339	40,616,381	17,941,303	0

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

Item	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
Generation ¹						
Steam	16,345,048	17,834,051	3,906,623	2,578,006	24,383,305	26,174,459
Nuclear	773,330	1,761,467	0	3,659,185	14,332,650	35,207,117
Hydro-Conventional	291,786	3,003,572	145,457	175,085	978,079	1,958,943
Hydro-Pumped Storage	0	0	0	290,582	0	1,501,293
Other	221	105,145	15,846	54,893	98,708	27,381
(less) Energy for Pumping	0	270,274	27,375	429,895	0	1,940,328
Total Net Generation	17,410,385	22,433,961	4,040,551	6,327,856	39,792,742	62,928,865
Purchases						
Utility	1,735,318	13,229,334	716,775	1,752,066	649,204	9,828,714
Nonutility	33,577	1,919,485	48,293	5,347	2,399,971	529,346
Total	1,768,895	15,148,819	765,068	1,757,413	3,049,175	10,358,060
Interchanges						
In (gross)	0	0	0	0	10,831,308	6,867,235
Out (gross)	0	0	0	0	12,758,604	8,654,828
Net	0	0	0	0	-1,927,296	-1,787,593
Transmission for/by Others (wheeling)						
Received	0	928,754	0	0	233,105	1,192,731
Delivered	0	928,754	0	0	197,936	869,307
Net	0	0	0	0	35,109	323,424
Total Net Energy Generated and Received	19,179,280	37,582,780	4,805,619	8,085,269	40,949,730	71,822,756
Sales to Ultimate Consumers	13,055,126	33,428,270	2,805,361	6,336,307	30,820,083	57,239,028
Sales for Resale	4,460,662	1,053,081	1,757,647	1,255,283	7,776,570	9,389,125
Energy Furnished Without Charge	2	125	0	0	0	303,151
Energy Used by Company ¹	33,818	14,262	14,075	37,168	91,744	263,305
Energy Losses						
Transmission and Conversion Losses	0	0	0	0	0	2,667,333
Distribution Losses	0	0	0	0	0	1,960,814
Unaccounted for Losses	1,629,672	3,087,042	228,536	456,511	2,261,333	0
Total Energy Losses	1,629,672	3,087,042	228,536	456,511	2,261,333	4,628,147
Total Disposition of Energy	19,179,280	37,582,780	4,805,619	8,085,269	40,949,730	71,822,756

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	North Carolina Nantahala Power & Light Co	North Carolina Yadkin Inc	North Dakota MDU Resources Group Inc	Ohio Cincinnati Gas & Electric Co	Ohio Cleveland Electric Illum Co	Ohio Columbus Southern Power Co
Generation¹						
Steam	0	0	1,773,499	20,041,936	14,955,336	11,548,757
Nuclear	0	0	0	0	6,550,259	0
Hydro-Conventional	504,862	1,116,985	0	0	0	0
Hydro-Pumped Storage	0	0	0	0	-185,621	0
Other	0	0	350	14,963	4,401	0
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	504,862	1,116,985	1,773,849	20,056,899	21,334,375	11,548,757
Purchases						
Utility	348,919	714,913	557,650	465,245	0	879,182
Non-utility	0	0	0	22	0	0
Total	348,919	714,913	557,650	465,267	0	879,182
Interchanges						
In (gross)	0	169,883	71,410	250,452	356,581	7,670,696
Out (gross)	0	184,174	73,446	450,985	1,285,290	2,986,400
Net	0	-14,291	-2,036	-200,533	-928,709	4,684,296
Transmission for by Others (wheeling)						
Received	0	0	1,312,357	502,751	783,277	470,548
Delivered	0	0	1,264,808	487,660	781,799	470,548
Net	0	0	47,549	15,091	1,478	0
Total Net Energy Generated and Received	853,781	1,817,607	2,377,012	20,336,724	20,407,144	17,112,235
Sales to Ultimate Consumers	702,161	1,812,911	1,836,099	15,670,703	19,277,558	12,171,339
Sales for Resale	62,587	0	311,327	3,545,693	87,147	3,976,307
Energy Furnished Without Charge	0	0	39	0	0	0
Energy Used by Company	825	0	8,133	55,731	40,359	0
Energy Losses						
Transmission and Conversion Losses	0	4,696	0	0	0	0
Distribution Losses	0	0	0	0	1,002,080	0
Unaccounted for Losses	88,208	0	221,414	1,064,597	0	964,589
Total Energy Losses	88,208	4,696	221,414	1,064,597	1,002,080	964,589
Total Disposition of Energy	853,781	1,817,607	2,377,012	20,336,724	20,407,144	17,112,235

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	Ohio Dayton Power & Light Co	Ohio Indiana- Kentucky Electric Corp	Ohio Edison Co	Ohio Power Co	Ohio Ohio Valley Electric Corp	Ohio Toledo Edison Co
Generation¹						
Steam	13,297,582	9,979,551	23,504,365	46,639,357	7,843,229	5,204,379
Nuclear	0	0	4,848,613	0	0	5,553,155
Hydro-Conventional	0	0	0	129,824	0	0
Hydro-Pumped Storage	0	0	0	0	0	0
Other	11,330	0	7,663	0	0	599
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	13,303,912	9,979,551	28,360,641	46,769,181	7,843,229	10,758,133
Purchases						
Utility	438,748	0	1,381,689	1,644,376	10,207,844	89,043
Nonutility	32,544	0	0	0	0	0
Total	471,292	0	1,381,689	1,644,376	10,207,844	89,043
Interchanges						
In (gross)	25,569	0	2,301,227	6,934,291	0	1,204,066
Out (gross)	132,152	0	1,695,124	16,012,264	0	2,447,973
Net	-106,583	0	606,103	-9,077,973	0	-1,243,907
Transmission for/by Others (wheeling)						
Received	1,627,165	0	30,447	1,039,090	0	997,605
Delivered	1,627,165	0	30,447	1,039,090	0	997,605
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	13,673,621	9,979,551	30,348,433	39,335,584	18,051,073	9,583,269
Sales to Ultimate Consumers	12,089,749	0	20,247,683	27,945,284	15,402,569	7,874,173
Sales for Resale	497,969	9,923,480	8,327,891	9,349,677	2,602,696	1,174,839
Energy Furnished Without Charge	0	0	0	6	0	0
Energy Used by Company ¹	19,958	0	34,117	0	0	14,437
Energy Losses						
Transmission and Conversion Losses	0	56,071	922,691	2,040,617	45,808	0
Distribution Losses	0	0	816,051	0	0	0
Unaccounted for Losses	1,065,945	0	0	0	0	519,820
Total Energy Losses	1,065,945	56,071	1,738,742	2,040,617	45,808	519,820
Total Disposition of Energy	13,673,621	9,979,551	30,348,433	39,335,584	18,051,073	9,583,269

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

Item	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma	Oregon Fale- Safe Inc	Oregon PacifiCorp	Oregon Portland General Electric Co	Oregon Warm Springs Power Enterprises
Generation ¹						
Steam	19,817,532	12,806,502	64,706	40,532,046	2,609,772	0
Nuclear	0	0	0	138,216	3,732,135	0
Hydro-Conventional	0	0	0	3,983,461	2,260,099	77,603
Hydro-Pumped Storage	0	0	0	0	0	0
Other	157,426	6,483	0	37,477	1,377,014	0
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	19,974,958	12,812,985	64,706	44,691,200	9,979,020	77,603
Purchases						
Utility	534,407	753,183	439,885	6,815,871	8,951,068	0
Nonutility	340,669	8,128	0	617,718	151,431	0
Total	875,076	761,291	439,885	7,433,589	9,102,499	0
Interchanges						
In (gross)	35,552	780,231	0	18,628,058	275,926	0
Out (gross)	35,605	781,565	0	18,782,863	287,953	0
Net	-53	-1,334	0	-154,805	-12,027	0
Transmission for/by Others (wheeling)						
Received	1,135,519	141,022	504,591	3,662,560	11,807,815	0
Delivered	1,135,519	141,028	504,591	3,662,560	11,807,815	0
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	20,849,981	13,572,942	504,591	51,969,984	19,069,492	77,603
Sales to Ultimate Consumers	17,800,232	12,157,685	0	39,195,938	14,901,168	0
Sales for Resale	1,707,975	270,724	502,090	8,559,077	2,988,054	76,903
Energy Furnished Without Charge	52,366	0	0	311	0	0
Energy Used by Company ²	31,508	37,037	0	108,090	35,922	0
Energy Losses						
Transmission and Conversion Losses	0	875,712	2,501	0	1,144,348	700
Distribution Losses	0	231,784	0	0	0	0
Unaccounted for Losses	1,257,900	0	0	4,108,568	0	0
Total Energy Losses	1,257,900	1,107,496	2,501	4,108,568	1,144,348	700
Total Disposition of Energy	20,849,981	13,572,942	504,591	51,969,984	19,069,492	77,603

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

Item	Pennsylvania Duquesne Light Co.	Pennsylvania Metropolitan Edison Co.	Pennsylvania Pennsylvania Electric Co.	Pennsylvania Pennsylvania Power & Light Co.	Pennsylvania Pennsylvania Power Co.	Pennsylvania Philadelphia Electric Co.
Generation:						
Steam	11,144,010	5,009,752	11,324,023	30,920,947	3,095,732	10,469,437
Nuclear	9,174,303	3,595,074	1,797,534	11,915,827	943,304	13,953,387
Hydro-Conventional	0	0	112,897	713,818	0	0
Hydro-Pumped Storage	0	0	108,099	0	0	1,353,997
Other	7,082	250,139	1,166,932	107,574	1,406	348,213
(less) Energy for Pumping	0	0	154,505	0	0	1,936,784
Total Net Generation	14,316,231	8,855,165	14,354,985	43,658,166	4,040,442	24,188,250
Purchases:						
Utility	133	2,015,480	523,235	1,266,304	24,893	7,024,321
Nonutility	21,410	528,234	265,958	1,989,121	534	609,219
Total	21,543	2,537,714	789,193	3,255,425	25,427	7,633,540
Interchanges:						
In (gross)	1,173,911	181,330	153,163	330,820	1,127,026	5,173,970
Out (gross)	910,838	911,262	2,092,581	9,919,749	389,002	2,026,768
Net	263,073	-731,932	-1,939,428	-9,588,929	738,024	3,147,202
Transmission for/by Others (wheeling):						
Received	0	240,178	1,616,932	1,106,589	9,053	0
Delivered	0	240,178	1,616,932	1,106,589	9,053	0
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	14,600,847	10,660,947	13,204,750	37,324,662	4,803,893	34,968,992
Sales to Ultimate Consumers	11,557,476	9,451,671	11,513,951	27,156,495	3,538,923	32,021,887
Sales for Resale	2,181,998	201,073	438,809	7,515,530	1,087,336	622,496
Energy Furnished Without Charge	0	75,473	0	383,561	0	0
Energy Used by Company ¹	58,167	33,187	49,884	108,213	7,229	38,543
Energy Losses:						
Transmission and Conversion Losses	0	0	0	0	0	0
Distribution Losses	0	0	0	0	170,405	0
Unaccounted for Losses	803,206	895,543	1,202,106	2,160,863	0	2,286,066
Total Energy Losses	803,206	895,543	1,202,106	2,160,863	170,405	2,286,066
Total Disposition of Energy	14,600,847	10,660,947	13,204,750	37,324,662	4,803,893	34,968,992

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licenses and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	Pennsylvania Safe Harbor Water Power Corp	Pennsylvania Susquehanna Electric Co	Pennsylvania UGI Corp	Pennsylvania West Penn Power Co	Pennsylvania York Haven Power Co	Rhode Island Blackstone Valley Electric Co
Generation ¹						
Steam	0	0	459,693	19,630,384	0	0
Nuclear	0	0	0	0	0	0
Hydro-Conventional	1,108,389	1,742,788	0	168,648	104,598	3,285
Hydro-Pumped Storage	0	0	0	693,471	0	0
Other	0	0	16	0	0	0
(less) Energy for Pumping	0	0	0	891,847	0	0
Total Net Generation	1,108,389	1,742,788	459,709	19,600,656	104,598	3,285
Purchases						
Utility	0	0	387,434	311,998	0	1,311,561
Nonutility	0	0	0	986,799	0	2,255
Total	0	0	387,434	1,298,797	0	1,313,816
Interchanges						
In (gross)	0	0	0	7,870,493	0	0
Out (gross)	0	0	976	1,444,600	0	0
Net	0	0	-976	6,425,893	0	0
Transmission for/by Others (wheeling)						
Received	0	0	0	158,955	0	0
Delivered	0	0	0	158,955	0	0
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	1,108,389	1,742,788	846,167	27,325,346	104,598	1,317,101
Sales to Ultimate Consumers	0	0	790,607	14,869,452	0	1,251,523
Sales for Resale	1,108,389	1,730,032	4	10,993,192	104,598	0
Energy Furnished Without Charge	0	0	0	0	0	0
Energy Used by Company ¹	0	0	3,150	0	0	6,314
Energy Losses						
Transmission and Conversion Losses	0	12,756	0	0	0	0
Distribution Losses	0	0	0	0	0	59,264
Unaccounted for Losses	0	0	52,398	1,462,702	0	0
Total Energy Losses	0	12,756	52,398	1,462,702	0	59,264
Total Disposition of Energy	1,108,389	1,742,788	846,167	27,325,346	104,598	1,317,101

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	Rhode Island Narragansett Electric Co	Rhode Island Newport Electric Corp	South Carolina Lockhart Power Co	South Carolina South Carolina Electric & Gas Co	South Carolina South Carolina Generating Co Inc	South Dakota Black Hills Corp
Generation ¹						
Steam	477,999	13,890	0	8,434,958	3,316,349	1,043,242
Nuclear	0	0	0	3,626,913	0	0
Hydro-Conventional	0	0	72,204	441,923	0	0
Hydro-Pumped Storage	0	0	0	451,201	0	0
Other	2,593	7,935	0	17,191	0	3,729
(less) Energy for Pumping	0	0	0	655,698	0	0
Total Net Generation	480,592	21,825	72,204	12,316,488	3,316,349	1,046,971
Purchases						
Utility	4,317,804	513,351	243,014	3,319,189	0	466,519
Nonutility	1,960	29	3,074	67,871	0	0
Total	4,319,764	513,380	246,088	3,387,060	0	466,519
Interchanges						
in (gross)	0	83,078	0	660,605	0	26,200
Out (gross)	1,349	12,275	0	729,231	0	25,371
Net	-1,349	70,803	0	-68,626	0	829
Transmission for / by Others (wheeling)						
Received	0	0	0	9,964	0	1,068,629
Delivered	0	0	0	9,416	0	1,067,209
Net	0	0	0	548	0	1,420
Total Net Energy Generated and Received	4,799,007	606,008	318,292	15,635,470	3,316,349	1,515,739
Sales to Ultimate Consumers	4,509,967	560,433	187,197	14,033,939	0	1,290,039
Sales for Resale	598	0	114,880	862,405	3,316,349	172,418
Energy Furnished Without Charge	0	0	0	7,105	0	0
Energy Used by Company ¹	21,268	2,111	263	92,917	0	0
Energy Losses						
Transmission and Conversion Losses	0	0	0	0	0	0
Distribution Losses	267,174	43,464	0	0	0	0
Unaccounted for Losses	0	0	15,952	639,104	0	52,374
Total Energy Losses	267,174	43,464	15,952	639,104	0	52,374
Total Disposition of Energy	4,799,007	606,008	318,292	15,635,470	3,316,349	1,515,739

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	South Dakota Northwestern Public Service Co	Tennessee Kingsport Power Co	Tennessee Tapoco Inc	Texas Central Power & Light Co	Texas El Paso Electr Co	Texas Gulf States Utilities Co
Generation ¹						
Steam	1,045,450	0	0	13,260,913	3,673,096	13,410,026
Nuclear	0	0	0	2,469,050	1,196,507	3,349,506
Hydro-Conventional	0	0	2,030,979	52,078	0	0
Hydro-Pumped Storage	0	0	0	0	0	0
Other	-1,426	0	0	29,614	21,313	0
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	1,044,024	0	2,030,979	15,811,655	4,890,916	22,759,532
Purchases						
Utility	0	1,650,860	0	609,002	1,410,425	3,281,520
Nonutility	0	0	0	382,481	0	2,092,392
Total	0	1,650,860	0	991,483	1,410,425	5,373,912
Interchanges						
in (gross)	45,697	0	1,595,292	193,485	23,008	3,021
Out (gross)	99,844	0	2,030,979	197,319	125,050	0
Net	-54,147	0	-435,687	-3,834	-102,042	3,021
Transmission for/by Others (wheeling)						
Received	0	0	0	1,799,181	0	9,824,818
Delivered	0	0	0	1,816,878	0	9,849,266
Net	0	0	0	-17,697	0	-24,448
Total Net Energy Generated and Received	989,877	1,650,860	1,595,292	16,781,607	6,199,299	28,112,017
Sales to Ultimate Consumers	883,119	1,590,752	1,595,292	14,347,102	4,462,183	25,355,370
Sales for Resale	9,630	0	0	959,674	1,411,162	916,332
Energy Furnished Without Charge	84	0	0	0	0	0
Energy Used by Company ¹	3,550	0	0	63,454	8,690	139,408
Energy Losses						
Transmission and Conversion Losses	0	0	0	795,097	0	0
Distribution Losses	0	0	0	616,280	0	0
Unaccounted for Losses	93,494	60,108	0	0	317,264	1,700,907
Total Energy Losses	93,494	60,108	0	1,411,377	317,264	1,700,907
Total Disposition of Energy	989,877	1,650,860	1,595,292	16,781,607	6,199,299	28,112,017

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

Item	Texas Houston Lighting & Power Co.	Texas Southwestern Electric Service Co.	Texas Southwestern Public Service Co.	Texas Utilities Electric Co.	Texas New Mexico Power Co.	Texas West Texas Utilities Co.
Generation ¹						
Steam	45,967,131	0	18,106,617	74,585,249	198	5,839,137
Nuclear	3,017,990	0	0	0	0	0
Hydro-Conventional	0	0	0	0	0	0
Hydro-Pumped Storage	0	0	0	0	0	0
Other	1,836,664	0	123,014	340,146	0	-49
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	51,821,785	0	18,229,631	74,925,395	198	5,839,088
Purchases						
Utility	572,051	1,014,806	1,642,192	1,569,782	4,121,058	475,086
Nonutility	8,780,701	0	237,679	11,017,225	2,509,778	0
Total	9,352,752	1,014,806	1,879,865	12,587,007	6,630,836	475,086
Interchanges						
In (gross)	10,641,350	0	539,303	14,521,503	2,648	0
Out (gross)	10,629,794	0	539,219	14,519,611	2,008	0
Net	11,556	0	84	1,892	640	0
Transmission for/by Others (wheeling)						
Received	7,444,212	0	76,925	0	0	0
Delivered	7,444,212	0	76,925	0	0	0
Net	0	0	0	0	0	0
Total Net Energy Generated and Received	61,186,093	1,014,806	20,109,580	87,514,294	6,631,674	6,314,174
Sales to Ultimate Consumers	56,273,771	845,691	12,021,654	75,894,765	6,190,639	4,068,519
Sales for Resale	1,524,436	102,070	6,754,095	6,047,761	21,514	1,767,523
Energy Furnished Without Charge	0	0	0	0	0	0
Energy Used by Company ¹	0	1,522	32,024	0	10,985	14,621
Energy Losses						
Transmission and Conversion Losses	0	0	0	5,571,768	408,536	61,051
Distribution Losses	0	0	1,301,807	0	0	402,460
Unaccounted for Losses	3,387,886	65,523	0	0	0	0
Total Energy Losses	3,387,886	65,523	1,301,807	5,571,768	408,536	463,511
Total Disposition of Energy	61,186,093	1,014,806	20,109,580	87,514,294	6,631,674	6,314,174

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

Item	Vermont Central Vermont Public Service Corp.	Vermont Green Mountain Power Corp.	Vermont Vermont Electric Power Co. Inc.	Vermont Vermont Yankee Nuclear Power Corp.	Virginia Appalachian Power Co.	Virginia Virginia Electric & Power Co.
Generation ¹						
Steam	73,337	44,707	0	0	26,903,769	32,075,824
Nuclear	120,570	0	0	3,606,776	0	13,080,758
Hydro-Conventional	170,015	127,186	0	0	493,110	953,731
Hydro-Pumped Storage	0	0	0	0	431,942	1,871,242
Other	2,919	178,009	0	0	0	163,056
(less) Energy for Pumping	0	0	0	0	435,006	2,325,790
Total Net Generation	366,841	349,902	0	3,606,776	27,393,815	45,818,821
Purchases						
Utility	2,749,200	1,409,175	2,603,850	0	2,062,687	7,217,183
Nonutility	54,150	47,352	0	0	0	2,983,459
Total	2,803,350	1,456,527	2,603,850	0	2,062,687	10,200,642
Interchanges						
In (gross)	0	0	0	0	13,784,935	8,310,449
Out (gross)	0	0	0	0	6,975,095	4,743,975
Net	0	0	0	0	6,809,840	3,566,474
Transmission for by Others (wheeling)						
Received	506,118	382,902	6,228,874	0	908,002	4,304,878
Delivered	553,971	370,072	6,089,761	0	908,002	4,284,330
Net	-47,853	12,830	139,113	0	0	20,548
Total Net Energy Generated and Received	3,122,338	1,819,259	2,742,963	3,606,776	36,266,342	59,606,485
Sales to Ultimate Consumers	1,824,200	1,529,013	0	0	22,561,608	52,979,187
Sales for Resale	1,135,386	787,399	2,603,850	3,606,776	11,131,090	2,927,897
Energy Furnished Without Charge	296	0	0	0	0	0
Energy Used by Company	7,605	3,934	0	0	0	467,635
Energy Losses						
Transmission and Conversion Losses	76,548	0	139,113	0	0	1,565,791
Distribution Losses	78,303	-501,087	0	0	0	1,665,975
Unaccounted for Losses	0	0	0	0	2,573,644	0
Total Energy Losses	154,851	-501,087	139,113	0	2,573,644	3,231,766
Total Disposition of Energy	3,122,338	1,819,259	2,742,963	3,606,776	36,266,342	59,606,485

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

	Washington	Washington	West Virginia	West Virginia	Wisconsin	Wisconsin
	Puget Sound Power & Light Co	Washington Water Power Co	Monongahela Power Co	Wheeling Power Co	Consolidated Water Power Co	Madison Gas & Electric Co
Generation ¹						
Steam	5,500,393	3,255,226	12,328,241	0	0	1,337,464
Nuclear	0	0	0	0	0	666,031
Hydro-Conventional	1,312,305	3,892,550	0	0	93,232	0
Hydro-Pumped Storage	0	0	390,151	0	0	0
Other	702,811	35,603	0	0	0	21,868
Losses Energy for Pumping	0	0	530,642	0	0	0
Total Net Generation	7,515,509	7,183,381	12,187,750	0	93,232	2,025,363
Purchases						
Utility	11,749,270	3,221,553	1,698	2,003,321	914,809	293,097
Nonutility	38,016	160,059	370,590	0	0	19,119
Total	11,787,286	3,381,612	372,288	2,003,321	914,809	312,216
Interchanges						
In (gross)	918,235	2,546,035	4,466,008	0	0	698,377
Out (gross)	402,212	1,544,168	842,353	0	0	698,354
Net	516,023	1,001,867	3,623,655	0	0	23
Transmission for by Others (wheeling)						
Received	1,231,829	369,107	138,740	0	0	0
Delivered	1,231,829	1,347,324	138,740	0	0	0
Net	0	-978,217	0	0	0	0
Total Net Energy Generated and Received	19,818,818	10,588,643	16,183,693	2,003,321	1,008,041	2,337,602
Sales to Ultimate Consumers	17,400,717	6,336,488	8,861,752	1,957,698	996,885	2,207,107
Sales for Resale	1,377,950	3,646,266	6,588,225	0	675	14,191
Energy Furnished Without Charge	365	0	0	0	0	0
Energy Used by Company ¹	35,741	0	20,459	0	0	738
Energy Losses						
Transmission and Conversion Losses	0	286,748	0	0	11,208	0
Distribution Losses	0	319,141	0	0	-727	0
Unaccounted for Losses	1,004,045	0	713,257	45,423	0	115,566
Total Energy Losses	1,004,045	605,889	713,257	45,423	10,481	115,566
Total Disposition of Energy	19,818,818	10,588,643	16,183,693	2,003,321	1,008,041	2,337,602

¹Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)
(Megawatthours)**

Item	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas&Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
Generation ¹						
Steam	259,013	0	0	157	16,598,909	6,584,497
Nuclear	0	0	0	0	7,090,411	1,534,132
Hydro-Conventional	594,681	8,234	5,455	0	321,066	150,636
Hydro-Pumped Storage	0	0	0	0	0	0
Other	10,021	548	0	0	16,195	14,050
(less) Energy for Pumping	0	0	0	0	0	0
Total Net Generation	863,715	8,782	5,455	157	24,026,581	8,283,315
Purchases						
Utility	0	120,908	162,851	488,072	1,552,492	1,929,966
Nonutility	0	0	0	0	81,591	2,372
Total	0	120,908	162,851	488,072	1,634,083	1,932,338
Interchanges						
In (gross)	9,367,807	0	0	26,402	10,401,637	4,234,247
Out (gross)	4,598,742	0	0	0	10,402,972	4,233,187
Net	4,669,065	0	0	26,402	-1,335	1,060
Transmission for by Others (wheeling)						
Received	1,352,552	12,693	0	12,877	499,151	4,039
Delivered	1,352,552	11,872	0	12,877	496,517	4,039
Net	0	821	0	0	2,634	0
Total Net Energy Generated and Received	5,532,780	130,511	168,306	514,631	25,661,963	10,216,713
Sales to Ultimate Consumers	4,436,267	110,515	162,105	496,737	21,589,870	6,995,133
Sales for Resale	584,034	4,847	6,201	0	2,703,486	2,604,862
Energy Furnished Without Charge	0	0	0	0	0	0
Energy Used by Company ¹	4,047	665	0	0	78,251	9,704
Energy Losses						
Transmission and Conversion Losses	0	5,686	0	0	318,718	1,028,454
Distribution Losses	0	7,830	0	0	581,951	-421,440
Unaccounted for Losses	508,432	968	0	17,894	389,687	0
Total Energy Losses	508,432	14,484	0	17,894	1,290,356	607,014
Total Disposition of Energy	5,532,780	130,511	168,306	514,631	25,661,963	10,216,713

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

**Table 42. Electric Energy Account by Investor-Owned Electric Utility
Within State, 1989 (Continued)**
(Megawatthours)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp	Wisconsin River Power Co
Generation¹		
Steam	6,178,771	0
Nuclear	1,541,647	0
Hydro-Conventional	188,617	130,640
Hydro-Pumped Storage	0	0
Other	12,265	0
(less) Energy for Pumping	0	0
Total Net Generation	7,921,300	130,640
Purchases		
Utility	1,695,586	0
Nonutility	6,282	0
Total	1,701,868	0
Interchanges		
In (gross)	4,452,220	0
Out (gross)	4,452,278	0
Net	-58	0
Transmission for/by Others (wheeling)		
Received	0	0
Delivered	0	0
Net	0	0
Total Net Energy Generated and Received	9,623,110	130,640
Sales to Ultimate Consumers	7,087,369	0
Sales for Resale	1,869,695	127,914
Energy Furnished Without Charge	0	0
Energy Used by Company ¹	28,432	0
Energy Losses		
Transmission and Conversion Losses	318,310	2,726
Distribution Losses	319,303	0
Unaccounted for Losses	0	0
Total Energy Losses	637,613	2,726
Total Disposition of Energy	9,623,110	130,640

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding. Double counting occurs in components of both sources and disposition of energy and thus neither provides a true total. Purchases from utilities, net interchanges, and net wheeling (except for imports) are included in net generation. Sales for resale is included in sales to ultimate consumers.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989

Item	Alabama Alabama Power Co	Alabama Southern Electric Generating Co	Arizona Arizona Public Service Co	Arizona Century Power Corp	Arizona Tucson Electric Power Co	Arkansas Arkansas Power & Light Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	0	0	3	0
41,000 to 50,000 Volts	3,632	0	0	0	0	0
51,000 to 70,000 Volts	0	0	2,168	0	0	29
71,000 to 131,000 Volts	3,856	0	147	0	0	2,078
132,000 to 143,000 Volts	0	0	0	0	253	0
144,000 to 188,000 Volts	329	0	0	0	0	1,555
189,000 to 253,000 Volts	1,282	266	553	0	0	160
254,000 to 400,000 Volts	0	0	566	0	969	44
401,000 to 600,000 Volts	347	0	572	0	511	893
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	9,446	266	4,006	0	1,736	4,759
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	0	0	0	323	0
144,000 to 188,000 Volts	329	0	0	0	0	1,580
189,000 to 253,000 Volts	1,288	0	657	0	0	261
254,000 to 400,000 Volts	0	268	591	0	1,017	44
401,000 to 600,000 Volts	347	0	1,371	0	511	893
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	1,964	268	2,619	0	1,851	2,778
Underground and Submarine Lines (circuit miles)						
	0	0	27	0	0	0
Substations Transformer capacity (MVA)	31,923	1,170	18,634	0	4,698	20,324
Distribution System						
Substations Transformer Capacity (MVA)	9,127	0	7,066	0	2,032	6,863
Line Transformers (number)	516,113	0	182,483	0	58,763	284,166
Line Transformers Capacity (MVA)	16,163	0	11,048	0	3,479	9,748
Meters (number)	1,173,455	0	694,751	0	290,026	680,094

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others"

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

	California	California	California	Colorado	Connecticut	Connecticut
Item	Pacific Gas & Electric Co.	San Diego Gas & Electric Co.	Southern California Edison Co.	Public Service Co. of Colorado	Citizens Utilities Co.	Connecticut Light & Power Co.
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	39	0	0	0
41,000 to 50,000 Volts	0	0	0	174	120	0
51,000 to 70,000 Volts	5,234	789	4,034	411	278	78
71,000 to 131,000 Volts	4,263	0	1,581	749	23	806
132,000 to 143,000 Volts	0	240	0	0	55	6
144,000 to 186,000 Volts	0	0	55	0	0	0
189,000 to 253,000 Volts	0	266	2,691	974	0	0
254,000 to 400,000 Volts	2,945	0	0	259	0	385
401,000 to 600,000 Volts	1,325	279	1,299	0	0	0
601,000 to 850,000 Volts	0	0	626	0	0	0
Total Structure Miles	13,767	1,574	10,325	2,567	476	1,275
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	229	0	0	55	6
144,000 to 186,000 Volts	0	0	55	0	0	0
189,000 to 253,000 Volts	5,245	0	3,452	1,118	0	0
254,000 to 400,000 Volts	0	515	0	261	0	393
401,000 to 600,000 Volts	1,325	279	1,361	0	0	0
601,000 to 850,000 Volts	0	0	626	0	0	0
Total Circuit Miles	6,570	1,023	5,494	1,379	55	399
Underground and Submarine Lines (circuit miles)						
	69	0	168	26	0	30
Substations Transformer capacity (MVA)	38,136	9,367	62,705	8,581	334	15,815
Distribution System						
Substations Transformer Capacity (MVA)	22,070	4,664	15,800	6,035	283	6,755
Line Transformers (number)	890,092	153,995	635,774	167,170	32,998	251,438
Line Transformers Capacity (MVA)	33,615	9,094	0	8,869	974	11,731
Meters (number)	4,438,819	1,129,775	4,074,737	978,431	97,223	1,094,512

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Connecticut Connecticut Yankee Atom Power Co.	Connecticut Holyoke Power & Electric Co.	Connecticut United Illuminating Co.	Delaware Delmarva Power & Light Co.	District of Columbia Potomac Electric Power Co.	Florida Florida Power & Light Co.
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 volts	0	0	0	0	0	0
22,000 to 30,000 volts	0	0	0	0	0	0
31,000 to 40,000 volts	0	0	0	0	0	0
41,000 to 50,000 volts	0	0	0	0	0	0
51,000 to 70,000 volts	0	0	0	675	0	200
71,000 to 131,000 volts	0	13	66	0	12	650
132,000 to 143,000 volts	0	0	0	380	63	1,335
144,000 to 188,000 volts	0	0	0	0	0	0
189,000 to 253,000 volts	0	0	0	238	395	2,052
254,000 to 400,000 volts	0	0	6	0	0	0
401,000 to 600,000 volts	0	0	0	294	104	985
601,000 to 850,000 volts	0	0	0	0	0	0
Total Structure Miles	0	13	72	1,587	574	5,222
Overhead Lines (circuit miles)						
132,000 to 143,000 volts	0	0	0	393	89	1,462
144,000 to 188,000 volts	0	0	0	0	0	0
189,000 to 253,000 volts	0	0	0	247	0	2,766
254,000 to 400,000 volts	0	0	6	0	539	0
401,000 to 600,000 volts	0	0	0	294	104	985
601,000 to 850,000 volts	0	0	0	0	0	0
Total Circuit Miles	0	0	6	934	732	5,213
Underground and Submarine Lines (circuit miles)	0	0	22	5	127	93
Substations Transformer capacity (MVA)	660	0	2,503	8,969	20,348	62,358
Distribution System						
Substations Transformer Capacity (MVA)	0	65	423	5,274	8,523	30,341
Line Transformers (number)	0	1	55,896	98,685	101,851	639,394
Line Transformers Capacity (MVA)	0	0	3,321	4,314	11,374	33,703
Meters (number)	0	5	307,703	401,346	678,425	3,345,516

Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Florida Florida Power Corp	Florida Gulf Power Co	Florida Tampa Electric Co	Georgia Georgia Power Co	Georgia Savannah Electric & Power Co	Hawaii Hawaiian Electric Co Inc
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	0	0	0	0
41,000 to 50,000 Volts	0	144	0	3,421	0	472
51,000 to 70,000 Volts	0	0	749	273	0	0
71,000 to 131,000 Volts	2,420	982	0	5,059	44	0
132,000 to 143,000 Volts	0	0	52	0	0	144
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	1,116	389	334	1,798	20	0
254,000 to 400,000 Volts	0	0	0	0	0	0
401,000 to 600,000 Volts	169	0	0	1,076	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	3,705	1,515	1,135	11,627	82	616
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	0	53	0	0	181
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	1,476	389	380	1,864	38	0
254,000 to 400,000 Volts	0	0	0	0	0	0
401,000 to 600,000 Volts	169	0	0	1,076	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	1,645	389	433	2,940	38	181
Underground and Submarine Lines (circuit miles)	42	0	7	11	0	18
Substations Transformer capacity (MVA)	23,945	5,510	9,881	55,576	25	3,552
Distribution System						
Substations Transformer Capacity (MVA)	9,938	2,791	3,866	20,704	3,852	1,374
Line Transformers (number)	278,629	102,278	116,684	520,266	34,456	28,806
Line Transformers Capacity (MVA)	12,160	3,557	6,123	24,140	0	2,399
Meters (number)	1,287,768	307,890	505,416	1,645,506	127,866	253,775

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Hawaii Maui Electric Co Ltd	Idaho Idaho Power Co	Illinois Central Illinois Light Co	Illinois Central Illinois Pub. Serv Co	Illinois Commonwealth Edison Co	Illinois Electric Energy Inc
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	0	716	0	0
41,000 to 50,000 Volts	0	530	0	0	0	0
51,000 to 70,000 Volts	0	1,244	0	2,055	48	0
71,000 to 131,000 Volts	0	3	0	0	0	0
132,000 to 143,000 Volts	0	1,330	230	1,408	1,544	0
144,000 to 188,000 Volts	0	133	0	0	0	55
189,000 to 253,000 Volts	0	905	0	48	0	0
254,000 to 400,000 Volts	0	490	48	257	1,571	0
401,000 to 600,000 Volts	0	88	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	90	0
Total Structure Miles	0	4,729	278	4,484	3,253	55
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	1,645	469	1,408	2,386	0
144,000 to 188,000 Volts	0	186	0	0	0	55
189,000 to 253,000 Volts	0	1,121	0	48	0	0
254,000 to 400,000 Volts	0	647	92	257	2,417	0
401,000 to 600,000 Volts	0	88	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	90	0
Total Circuit Miles	0	3,687	561	1,713	4,893	55
Underground and Submarine Lines (circuit miles)	0	0	0	4	234	0
Substations Transformer capacity (MVA)	0	7,070	3,573	15,283	70,977	1,260
Distribution System						
Substations Transformer Capacity (MVA)	0	3,425	1,528	2,727	4,731	0
Line Transformers (number)	8,310	152,858	60,883	106,767	502,838	0
Line Transformers Capacity (MVA)	396	6,552	2,674	4,061	32,320	0
Meters (number)	47,210	295,229	196,343	340,287	3,593,168	0

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Illinois Illinois Power Co	Illinois Mt Carmel Public Utility Co	Indiana Alcoa Generating Corp	Indiana AEP Generating Co	Indiana Commonwealth Edison Co of Indiana Inc	Indiana Indiana Michigan Power Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	0	0	0	0
41,000 to 50,000 Volts	0	0	0	0	0	0
51,000 to 70,000 Volts	897	0	0	0	0	1,256
71,000 to 131,000 Volts	0	0	0	0	0	0
132,000 to 143,000 Volts	1,301	0	2	0	3	1,077
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	0	0	0	0
254,000 to 400,000 Volts	452	0	0	0	22	884
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	615
Total Structure Miles	2,650	0	2	0	25	3,832
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	1,334	0	2	0	6	1,750
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	0	0	0	0
254,000 to 400,000 Volts	565	0	0	0	45	1,575
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	615
Total Circuit Miles	1,899	0	2	0	51	3,940
Underground and Submarine Lines (circuit miles)						
	0	0	0	0	1	18
Substations Transformer capacity (MVA)	14,509	45	670	0	1,200	21,783
Distribution System						
Substations Transformer Capacity (MVA)	7,757	4	0	0	0	2,199
Line Transformers (number)	187,055	2,437	0	0	0	146,446
Line Transformers Capacity (MVA)	7,666	66	0	0	0	5,586
Meters (number)	590,327	6,769	0	0	0	552,291

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, "FERC Form 1 - Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Indiana Indianapolis Power & Light Co	Indiana Northern Indiana Public Service Co	Indiana Public Service Co of Indiana Inc	Indiana Southern Indiana Gas & Elec Co	Iowa Interstate Power Co	Iowa Iowa Electric Light & Power Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	16	0
22,000 to 30,000 Volts	0	0	0	0	227	0
31,000 to 40,000 Volts	222	330	0	83	77	2,130
41,000 to 50,000 Volts	0	0	0	0	0	0
51,000 to 70,000 Volts	0	1,422	2,173	429	1,445	205
71,000 to 131,000 Volts	0	0	0	0	0	355
132,000 to 143,000 Volts	0	578	1,368	239	0	0
144,000 to 188,000 Volts	284	0	0	0	705	320
189,000 to 253,000 Volts	0	0	540	0	0	0
254,000 to 400,000 Volts	440	286	681	0	74	67
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	946	2,616	4,762	751	2,545	3,077
Overhead Lines* (circuit miles)						
132,000 to 143,000 Volts	341	752	1,609	260	0	0
144,000 to 188,000 Volts	0	0	0	0	715	329
189,000 to 253,000 Volts	0	0	673	0	0	0
254,000 to 400,000 Volts	465	332	704	0	74	67
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	806	1,084	2,986	260	789	396
Underground and Submarine Lines (circuit miles)						
	9	1	0	2	0	0
Substations Transformer capacity (MVA)	7,504	17,639	20,161	3,675	3,935	6,537
Distribution System						
Substations Transformer Capacity (MVA)	3,203	4,347	5,438	1,394	957	1,279
Line Transformers (number)	77,113	105,703	183,521	44,960	46,541	67,019
Line Transformers Capacity (MVA)	4,947	4,403	6,298	1,813	1,648	2,231
Meters (number)	406,667	406,381	7,627,336	128,807	186,152	230,826

* Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Iowa Iowa Power & Light Co	Iowa Public Service Co	Iowa Southern Utilities Co	Iowa Illinois Gas & Electric Co	Kansas Centel Corp	Kansas Kansas Gas & Electric Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	28	724	3	0	1,442	0
41,000 to 50,000 Volts	29	0	0	0	0	0
51,000 to 70,000 Volts	644	889	618	295	319	940
71,000 to 131,000 Volts	0	0	0	0	921	0
132,000 to 143,000 Volts	0	0	0	0	74	455
144,000 to 188,000 Volts	385	533	312	343	0	177
189,000 to 253,000 Volts	0	0	0	0	211	0
254,000 to 400,000 Volts	344	185	61	305	0	663
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	1,430	2,331	994	943	2,967	2,235
Overhead Lines* (circuit miles)						
132,000 to 143,000 Volts	0	0	0	0	74	505
144,000 to 188,000 Volts	409	703	312	358	0	178
189,000 to 253,000 Volts	0	0	0	0	211	0
254,000 to 400,000 Volts	346	338	61	305	0	672
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	755	1,041	373	663	285	1,355
Underground and Submarine Lines (circuit miles)						
	4	0	0	0	0	0
Substations Transformer capacity (MVA)	4,909	6,739	2,789	4,874	2,761	7,128
Distribution System						
Substations Transformer Capacity (MVA)	1,750	2,126	686	1,636	691	1,501
Line Transformers (number)	82,290	47,948	33,717	57,133	52,306	92,821
Line Transformers Capacity (MVA)	3,520	2,173	1,425	2,693	1,822	4,075
Meters (number)	272,418	176,950	99,792	198,397	145,804	276,376

* Excluding station use

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Kansas Kansas Power & Light Co	Kentucky Kentucky Power Co	Kentucky Kentucky Utilities Co	Kentucky Louisville Gas & Electric Co	Kentucky Ohio Valley Transmission Co	Kentucky Union Light Heat & Power Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	1,918	2	202	0	0	0
41,000 to 50,000 Volts	0	62	0	0	0	0
51,000 to 70,000 Volts	147	524	2,067	242	0	101
71,000 to 131,000 Volts	1,192	0	0	0	0	0
132,000 to 143,000 Volts	0	231	861	189	54	0
144,000 to 188,000 Volts	155	46	474	66	0	0
189,000 to 253,000 Volts	307	0	0	0	0	0
254,000 to 400,000 Volts	336	8	354	71	29	0
401,000 to 600,000 Volts	0	0	35	0	0	0
601,000 to 850,000 Volts	0	258	0	0	0	0
Total Structure Miles	4,055	1,131	3,993	568	83	101
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	267	1,333	269	72	0
144,000 to 188,000 Volts	155	46	845	198	0	0
189,000 to 253,000 Volts	307	0	0	0	0	0
254,000 to 400,000 Volts	338	8	708	105	29	0
401,000 to 600,000 Volts	0	0	70	0	0	0
601,000 to 850,000 Volts	0	258	0	0	0	0
Total Circuit Miles	800	579	2,956	572	101	0
Underground and Submarine Lines (circuit miles)						
	0	0	0	3	0	0
Substations Transformer capacity (MVA)	9,159	4,500	12,589	8,848	448	368
Distribution System						
Substations Transformer Capacity (MVA)	2,487	926	3,496	2,674	0	627
Line Transformers (number)	136,674	75,654	154,557	74,519	0	25,343
Line Transformers Capacity (MVA)	4,303	2,304	5,227	3,939	0	1,303
Meters (number)	315,519	162,696	444,471	352,804	0	113,938

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

	Louisiana	Louisiana	Louisiana	Louisiana	Maine	Maine
Item	Central Louisiana Electric Co. Inc.	Louisiana Power & Light Co.	New Orleans Public Service Inc.	Southwestern Electric Power Co.	Bangor Hydro- Electric Co.	Central Maine Power Co.
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	1	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	0	11	171	993
41,000 to 50,000 Volts	0	0	0	0	250	0
51,000 to 70,000 Volts	9	43	0	1,511	0	0
71,000 to 131,000 Volts	0	1,296	0	42	152	1,014
132,000 to 143,000 Volts	548	54	64	944	0	0
144,000 to 188,000 Volts	0	20	0	201	0	0
189,000 to 253,000 Volts	404	787	55	0	0	0
254,000 to 400,000 Volts	0	0	0	565	0	207
401,000 to 600,000 Volts	67	270	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	1,028	2,470	120	3,274	573	2,214
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	570	54	0	944	0	0
144,000 to 188,000 Volts	0	20	0	201	0	0
189,000 to 253,000 Volts	404	874	55	0	0	0
254,000 to 400,000 Volts	0	0	0	565	0	210
401,000 to 600,000 Volts	67	351	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	1,041	1,299	55	1,710	0	210
Underground and Submarine Lines (circuit miles)						
	0	0	0	0	0	0
Substations Transformer capacity (MVA)	9,935	12,768	3,270	10,168	1,176	4,642
Distribution System						
Substations Transformer Capacity (MVA)	1,452	13,192	2,993	2,935	349	2,013
Line Transformers (number)	104,101	179,777	36,483	152,683	34,047	189,996
Line Transformers Capacity (MVA)	3,016	8,496	3,158	6,153	746	4,471
Meters (number)	216,880	642,598	218,469	389,905	102,861	521,989

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Maine Electric Power Co Inc	Maine Public Service Co	Maine Yankee Atomic Power Co	Maryland Baltimore Gas & Electric Co	Maryland Potomac Edison Co	Massachusetts Boston Edison Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	2	0	0	0	0
41,000 to 50,000 Volts	0	69	0	0	0	0
51,000 to 70,000 Volts	0	325	0	0	0	0
71,000 to 131,000 Volts	0	0	0	359	0	164
132,000 to 143,000 Volts	0	12	0	16	735	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	0	193	111	8
254,000 to 400,000 Volts	179	0	0	0	0	119
401,000 to 600,000 Volts	0	0	0	196	202	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	179	408	0	764	1,048	291
Overhead Lines (circuit miles)						
132,000 to 143,000 Volts	0	12	0	18	736	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	0	293	124	27
254,000 to 400,000 Volts	182	0	0	0	0	136
401,000 to 600,000 Volts	0	0	0	196	202	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	182	12	0	507	1,062	163
Underground and Submarine Lines (circuit miles)						
	0	0	0	390	0	150
Substations Transformer capacity (MVA)	336	176	0	11,304	7,599	7,198
Distribution System						
Substations Transformer Capacity (MVA)	0	111	0	9,937	3,270	6,934
Line Transformers (number)	0	11,022	0	170,887	146,664	59,581
Line Transformers Capacity (MVA)	0	221	0	10,580	4,122	4,820
Meters (number)	0	34,913	0	1,067,517	342,567	732,021

Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Massachusetts Cambridge Electric Light Co	Massachusetts Canal Electric Co	Massachusetts Commonwealth Electric Co	Massachusetts Eastern Edison Co	Massachusetts Fitchburg Gas & Electric Light Co	Massachusetts Holyoke Water Power Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	23	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	0	0	0	0
41,000 to 50,000 Volts	0	0	0	0	0	0
51,000 to 70,000 Volts	0	0	0	0	39	0
71,000 to 131,000 Volts	0	0	225	92	0	0
132,000 to 143,000 Volts	0	0	0	0	0	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	0	0	0	0
254,000 to 400,000 Volts	0	0	77	0	0	0
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	0	0	302	92	62	0
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	0	0	0	0	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	0	0	0	0
254,000 to 400,000 Volts	0	0	131	0	0	0
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	0	0	131	0	0	0
Underground and Submarine Lines (circuit miles)						
	7	0	8	0	9	0
Substations Transformer capacity (MVA)	260	1,976	1,613	492	193	197
Distribution System						
Substations Transformer Capacity (MVA)	279	0	222	365	111	143
Line Transformers (number)	2,361	0	57,611	32,015	5,047	212
Line Transformers Capacity (MVA)	161	0	2,157	1,622	148	94
Meters (number)	45,416	0	325,834	203,266	25,636	459

Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Massachusetts Electric Co	Massachusetts Montaup Electric Co	Massachusetts New England Power Co	Massachusetts Western Massachusetts Electric Co	Massachusetts Yankee Atomic Electric Co	Michigan Consumers Power Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	9	0	0	0
22,000 to 30,000 Volts	2	0	18	0	0	31
31,000 to 40,000 Volts	0	0	25	0	0	0
41,000 to 50,000 Volts	0	0	16	0	0	4,063
51,000 to 70,000 Volts	22	0	429	20	0	0
71,000 to 131,000 Volts	41	94	866	233	0	20
132,000 to 143,000 Volts	0	0	0	0	0	3,203
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	368	0	0	0
254,000 to 400,000 Volts	0	47	291	104	0	1,118
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	65	141	2,022	357	0	8,435
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	0	0	0	0	3,899
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	368	0	0	0
254,000 to 400,000 Volts	0	47	291	0	0	2,724
401,000 to 600,000 Volts	0	0	0	104	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	0	47	659	104	0	6,623
Underground and Submarine Lines (circuit miles)						
Substations Transformer capacity (MVA)	33	2,830	12,502	3,435	0	25,110
Distribution System						
Substations Transformer Capacity (MVA)	2,654	0	0	1,396	0	4,394
Line Transformers (number)	155,304	0	3	38,896	0	445,387
Line Transformers Capacity (MVA)	7,498	0	0	1,739	0	0
Meters (number)	978,584	0	1,027	207,864	0	1,497,992

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Michigan Detroit Edison Co	Michigan Edison Sault Electric Co	Michigan Michigan Power Co	Michigan Upper Peninsula Power Co	Minnesota Minnesota Power & Light Co	Minnesota Northern States Power Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	7	0	0
22,000 to 30,000 Volts	0	0	0	0	0	6
31,000 to 40,000 Volts	0	0	101	50	0	68
41,000 to 50,000 Volts	0	2	0	0	245	0
51,000 to 70,000 Volts	0	273	93	342	0	1,178
71,000 to 131,000 Volts	979	0	0	0	1,205	0
132,000 to 143,000 Volts	32	0	2	353	6	1,126
144,000 to 188,000 Volts	0	0	0	0	0	59
189,000 to 253,000 Volts	61	0	0	0	599	276
254,000 to 400,000 Volts	501	0	0	0	0	567
401,000 to 600,000 Volts	0	0	0	0	8	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	1,573	275	196	752	2,063	3,280
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	32	6	4	353	6	0
144,000 to 188,000 Volts	0	0	0	0	0	59
189,000 to 253,000 Volts	61	0	0	0	600	280
254,000 to 400,000 Volts	910	0	0	0	0	751
401,000 to 600,000 Volts	0	0	0	0	8	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	1,003	6	4	353	614	1,090
Underground and Submarine Lines (circuit miles)	1,764	4	0	0	0	8
Substations Transformer capacity (MVA)	43,383	175	215	518	6,387	20,556
Distribution System						
Substations Transformer Capacity (MVA)	12,958	116	149	154	1,659	9,107
Line Transformers (number)	365,908	7,448	13,227	18,340	35,745	205,103
Line Transformers Capacity (MVA)	16,477	232,719	388	413	1,110	11,613
Meters (number)	2,224,966	20,846	33,275	63,289	119,101	1,211,421

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others"

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Minnesota Otter Tail Power Co	Mississippi Mississippi Power & Light Co	Mississippi Mississippi Power Co	Mississippi System Energy Resources Inc	Missouri Empire District Electric Co	Missouri Kansas City Power & Light Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	0	0	84	469
41,000 to 50,000 Volts	4,148	0	474	0	0	0
51,000 to 70,000 Volts	120	0	0	0	733	79
71,000 to 131,000 Volts	567	1,854	1,032	0	0	1
132,000 to 143,000 Volts	0	0	0	0	0	0
144,000 to 188,000 Volts	0	6	0	0	388	811
189,000 to 253,000 Volts	363	454	0	0	0	0
254,000 to 400,000 Volts	48	0	576	0	22	295
401,000 to 600,000 Volts	0	341	79	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	5,246	2,655	2,161	0	1,227	1,655
Overhead Lines (circuit miles)						
132,000 to 143,000 Volts	0	0	0	0	0	0
144,000 to 188,000 Volts	0	6	0	0	392	815
189,000 to 253,000 Volts	363	456	576	0	0	0
254,000 to 400,000 Volts	48	0	0	0	22	296
401,000 to 600,000 Volts	0	341	79	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	411	813	655	0	414	1,111
Underground and Submarine Lines (circuit miles)	1	0	0	0	0	13
Substations Transformer Capacity (MVA)	3,669	10,559	7,774	0	1,867	8,905
Distribution System						
Substations Transformer Capacity (MVA)	1,395	25,361	2,521	0	983	4,643
Line Transformers (number)	40,950	143,673	69,874	0	59,036	93,758
Line Transformers Capacity (MVA)	1,671	5,027	2,520	0	1,752	5,070
Meters (number)	166,623	361,189	177,227	0	125,270	460,841

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Missouri St Joseph Light & Power Co	Missouri Union Electric Co	Missouri UtiliCorp United Inc	Montana Montana Power Co	Nevada Nevada Power Co	Nevada Sierra Pacific Power Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	21
31,000 to 40,000 Volts	191	0	433	0	20	15
41,000 to 50,000 Volts	0	0	0	1,117	0	0
51,000 to 70,000 Volts	137	32	507	1,484	339	1,656
71,000 to 131,000 Volts	0	28	0	1,862	0	1,014
132,000 to 143,000 Volts	0	1,060	0	0	169	0
144,000 to 188,000 Volts	83	627	307	1,101	0	0
189,000 to 253,000 Volts	0	90	0	949	206	390
254,000 to 400,000 Volts	117	735	58	0	0	524
401,000 to 600,000 Volts	0	0	0	496	410	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	528	2,572	1,305	7,009	1,144	3,620
Overhead Lines* (circuit miles)						
132,000 to 143,000 Volts	0	1,087	0	0	183	0
144,000 to 188,000 Volts	83	627	307	1,101	0	0
189,000 to 253,000 Volts	0	90	0	949	229	390
254,000 to 400,000 Volts	117	738	58	0	0	524
401,000 to 600,000 Volts	0	0	0	496	410	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	200	2,542	365	2,546	822	914
Underground and Submarine Lines (circuit miles)						
	0	0	0	0	0	0
Substations Transformer capacity (MVA)	591	22,070	2,568	8,896	12,588	4,205
Distribution System						
Substations Transformer Capacity (MVA)	319	21,173	2,006	1,843	2,657	1,927
Line Transformers (number)	21,018	262,359	73,251	101,099	48,573	56,742
Line Transformers Capacity (MVA)	846	14,471	2,907	3,178	4,253	3,058
Meters (number)	71,086	1,232,993	212,239	274,978	333,828	256,281

* Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others"

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

	New Hampshire	New Hampshire	New Hampshire	New Jersey	New Jersey	New Jersey
Item	James River NH Electric Inc	New England Electric Transmission Corp	Public Service Co of NH	Atlantic City Electric Co	Jersey Central Power & Light Co	Rockland Electric Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	23	0	0	0
22,000 to 30,000 Volts	0	0	0	196	0	0
31,000 to 40,000 Volts	0	0	775	113	0	19
41,000 to 50,000 Volts	0	0	0	0	0	0
51,000 to 70,000 Volts	0	0	20	575	1,399	40
71,000 to 131,000 Volts	0	0	697	0	137	0
132,000 to 143,000 Volts	0	0	0	208	0	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	9	68	378	0
254,000 to 400,000 Volts	0	0	252	0	0	2
401,000 to 600,000 Volts	0	6	0	235	18	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	0	6	1,776	1,395	1,932	61
Overhead Lines (circuit miles)						
132,000 to 143,000 Volts	0	0	0	301	0	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	9	87	617	0
254,000 to 400,000 Volts	0	0	252	0	0	6
401,000 to 600,000 Volts	0	6	0	235	18	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	0	6	261	623	635	6
Underground and Submarine Lines (circuit miles)						
Substations Transformer capacity (MVA)	0	0	13	0	19	0
	0	690	4,980	7,006	16,231	635
Distribution System						
Substations Transformer Capacity (MVA)	0	0	743	1,397	4,835	252
Line Transformers (number)	0	0	120,702	123,728	196,038	20,399
Line Transformers Capacity (MVA)	0	0	4,277	4,594	9,583	1,018
Meters (number)	0	0	507,980	480,952	945,737	35,522

Excluding station use

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1 "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	New Jersey Public Service Electric & Gas Co.	New Mexico Public Service Co. of NM	New York Central Hudson Gas & Electric Corp.	New York Consolidated Edison Co.-NY Inc.	New York Long Island Lighting Co.	New York Long Sault Inc.
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	4
22,000 to 30,000 Volts	0	0	0	0	129	0
31,000 to 40,000 Volts	0	0	12	0	92	0
41,000 to 50,000 Volts	0	246	0	0	0	0
51,000 to 70,000 Volts	0	5	241	0	518	0
71,000 to 131,000 Volts	0	637	211	0	0	22
132,000 to 143,000 Volts	260	0	0	12	243	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	376	180	0	0	0	0
254,000 to 400,000 Volts	19	1,551	76	204	0	0
401,000 to 600,000 Volts	474	165	0	5	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	1,129	2,784	540	221	982	26
Overhead Lines (circuit miles)						
132,000 to 143,000 Volts	376	0	0	23	243	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	504	180	0	0	0	0
254,000 to 400,000 Volts	21	1,551	76	412	0	0
401,000 to 600,000 Volts	474	165	0	5	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	1,375	1,896	76	440	243	0
Underground and Submarine Lines (circuit miles)						
Substations Transformer capacity (MVA)	29,990	7,033	3,206	15,640	10,963	0
Distribution System						
Substations Transformer Capacity (MVA)	6,993	2,576	1,364	20,901	5,291	0
Line Transformers (number)	295,594	64,032	81,431	81,690	180,608	0
Line Transformers Capacity (MVA)	18,667	2,615	2,264	22,963	11,182	0
Meters (number)	1,931,477	309,455	260,702	3,135,916	1,174,446	0

* Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	New York New York State Electric & Gas Corp	New York Niagara Mohawk Power Corp	New York Orange & Rockland Utilities Inc	New York Rochester Gas & Electric Corp	North Carolina Carolina Power & Light Co	North Carolina Duke Power Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	3	199	0	157	0	35
22,000 to 30,000 Volts	23	526	0	0	0	119
31,000 to 40,000 Volts	1,435	2,106	96	702	0	6
41,000 to 50,000 Volts	630	314	0	0	0	2,494
51,000 to 70,000 Volts	14	807	133	0	145	0
71,000 to 131,000 Volts	1,162	2,985	1	237	2,572	3,342
132,000 to 143,000 Volts	43	0	72	0	89	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	391	436	0	0	2,724	1,367
254,000 to 400,000 Volts	533	505	51	0	0	0
401,000 to 600,000 Volts	0	0	5	0	292	549
601,000 to 850,000 Volts	0	82	0	0	0	0
Total Structure Miles	4,234	7,460	358	1,096	5,823	7,912
Overhead Lines (circuit miles)						
132,000 to 143,000 Volts	50	0	92	0	106	7
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	406	438	0	0	3,250	2,623
254,000 to 400,000 Volts	0	505	91	0	0	0
401,000 to 600,000 Volts	583	0	5	0	292	549
601,000 to 850,000 Volts	0	82	0	0	0	0
Total Circuit Miles	1,039	1,025	188	0	3,648	3,179
Underground and Submarine Lines (circuit miles)						
Substations Transformer capacity (MVA)	14	19	7	0	0	2
	7,956	15,744	5,381	2,996	32,122	54,487
Distribution System						
Substations Transformer Capacity (MVA)	2,975	6,526	908	2,036	8,991	12,490
Line Transformers (number)	269,808	398,943	59,820	70,739	373,126	579,017
Line Transformers Capacity (MVA)	8,293	16,100	2,953	2,745	14,073	32,225
Meters (number)	840,455	1,623,164	198,082	341,376	991,103	1,842,024

Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	North Carolina Nantahala Power & Light Co	North Carolina Yadkin Inc	North Dakota MDU Resources Group Inc	Ohio Cincinnati Gas & Electric Co	Ohio Cleveland Electric Illum Co	Ohio Columbus Southern Power Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	2	0	0	0	0
22,000 to 30,000 Volts	0	0	64	0	0	0
31,000 to 40,000 Volts	37	0	29	141	661	59
41,000 to 50,000 Volts	0	0	1,082	0	0	0
51,000 to 70,000 Volts	111	0	1,053	425	0	439
71,000 to 131,000 Volts	0	19	568	0	0	0
132,000 to 143,000 Volts	0	0	0	395	464	714
144,000 to 188,000 Volts	57	0	0	0	0	0
189,000 to 253,000 Volts	0	0	319	0	1	0
254,000 to 400,000 Volts	0	0	0	317	281	368
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	205	21	3,115	1,278	1,407	1,580
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	0	0	608	903	830
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	57	0	319	0	1	0
254,000 to 400,000 Volts	0	0	0	356	358	403
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	57	0	319	964	1,262	1,233
Underground and Submarine Lines (circuit miles)						
	0	0	6	15	1,050	0
Substations Transformer capacity (MVA)	360	546	2,710	12,994	13,364	11,138
Distribution System						
Substations Transformer Capacity (MVA)	224	0	786	4,584	3,141	3,076
Line Transformers (number)	31,580	0	31,904	148,265	135,183	136,705
Line Transformers Capacity (MVA)	659	0	1,277	8,993	7,381	5,997
Meters (number)	49,792	0	119,455	632,117	799,333	574,939

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

	Ohio Dayton Power & Light Co.	Ohio Indiana Kentucky Electric Corp.	Ohio Edison Co.	Ohio Power Co.	Ohio Ohio Valley Electric Corp.	Ohio Toledo Edison Co.
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	415	115	0	32
31,000 to 40,000 Volts	118	0	179	367	0	145
41,000 to 50,000 Volts	0	0	0	0	0	0
51,000 to 70,000 Volts	856	0	1,358	1,395	0	348
71,000 to 131,000 Volts	0	0	0	0	0	0
132,000 to 143,000 Volts	275	2	1,469	1,824	0	389
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	0	0	0	0
254,000 to 400,000 Volts	376	43	489	649	345	134
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	509	0	0
Total Structure Miles	1,625	45	3,910	5,459	345	1,048
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	354	3	2,122	1,848	0	495
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	0	0	0	158
254,000 to 400,000 Volts	438	86	570	649	345	0
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	509	0	0
Total Circuit Miles	802	89	2,692	3,006	345	653
Underground and Submarine Lines (circuit miles)						
	2	0	0	4	0	4
Substations Transformer capacity (MVA)	11,904	1,690	15,288	31,441	1,600	6,319
Distribution System						
Substations Transformer Capacity (MVA)	1,165	0	3,597	1,615	0	1,706
Line Transformers (number)	128,616	0	250,394	221,956	0	68,451
Line Transformers Capacity (MVA)	6,007	0	8,100	6,972	0	3,335
Meters (number)	482,282	0	938,389	665,607	0	316,741

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Oklahoma Oklahoma Gas & Electric Co	Oklahoma Public Service Co of Oklahoma	Oregon Fair- Safe Inc	Oregon PacifiCorp	Oregon Portland General Electric Co	Oregon Warm Springs Power Enterprises
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	3	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	0	90	0	0
41,000 to 50,000 Volts	0	0	0	2,588	0	0
51,000 to 70,000 Volts	1,636	948	0	3,129	505	3
71,000 to 131,000 Volts	0	0	0	1,479	348	0
132,000 to 143,000 Volts	1,666	1,627	0	1,681	0	0
144,000 to 188,000 Volts	124	0	0	233	0	0
189,000 to 253,000 Volts	0	34	0	3,059	285	0
254,000 to 400,000 Volts	785	597	0	1,687	0	0
401,000 to 600,000 Volts	47	0	0	602	211	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	4,258	3,206	0	14,551	1,349	3
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	1,768	1,789	0	1,704	0	0
144,000 to 188,000 Volts	124	0	0	323	0	0
189,000 to 253,000 Volts	0	34	0	3,065	371	0
254,000 to 400,000 Volts	935	600	0	1,694	0	0
401,000 to 600,000 Volts	47	0	0	602	706	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	2,874	2,423	0	7,388	1,077	0
Underground and Submarine Lines (circuit miles)						
	0	0	0	4	13	0
Substations Transformer capacity (MVA)	17,156	10,302	0	22,801	7,706	0
Distribution System						
Substations Transformer Capacity (MVA)	5,035	4,558	0	10,106	3,328	0
Line Transformers (number)	169,822	137,337	0	427,441	156,661	0
Line Transformers Capacity (MVA)	12,273	6,008	0	16,256	6,667	0
Meters (number)	694,430	480,938	0	1,368,373	594,473	0

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Pennsylvania Duquesne Light Co	Pennsylvania Metropolitan Edison Co	Pennsylvania Electric Co	Pennsylvania Power & Light Co	Pennsylvania Power Co	Pennsylvania Philadelphia Electric Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	47	0
31,000 to 40,000 Volts	0	38	0	0	0	0
41,000 to 50,000 Volts	0	0	368	0	0	0
51,000 to 70,000 Volts	69	404	0	0	356	96
71,000 to 131,000 Volts	0	300	1,324	0	0	0
132,000 to 143,000 Volts	229	3	11	0	55	107
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	300	646	731	0	419
254,000 to 400,000 Volts	111	0	149	0	116	0
401,000 to 600,000 Volts	0	219	235	395	0	257
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	409	1,264	2,733	1,126	574	879
Overhead Lines* (circuit miles)						
132,000 to 143,000 Volts	417	3	11	0	70	134
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	363	652	0	0	480
254,000 to 400,000 Volts	149	0	149	902	133	0
401,000 to 600,000 Volts	0	219	235	405	0	257
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	566	605	1,047	1,307	203	871
Underground and Submarine Lines (circuit miles)	34	0	0	0	0	94
Substations Transformer capacity (MVA)	8,568	9,279	9,229	18,815	2,921	18,463
Distribution System						
Substations Transformer Capacity (MVA)	6,849	2,470	6,854	13,647	597	14,264
Line Transformers (number)	34,060	141,432	173,974	373,332	49,851	159,303
Line Transformers Capacity (MVA)	5,883	5,523	6,506	10,991	1,252	10,502
Meters (number)	615,558	448,222	574,956	1,201,774	157,870	1,684,861

Excluding station use

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Pennsylvania	Rhode Island
Item	Sate Harbor Water Power Corp.	Susquehanna Electric Co.	UGI Corp.	West Penn Power Co.	York Haven Power Co.	Blackstone Valley Electric Co.
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 volts	0	1	0	0	0	0
22,000 to 30,000 volts	0	0	0	0	0	2
31,000 to 40,000 volts	0	0	0	0	0	0
41,000 to 50,000 volts	0	0	0	0	0	0
51,000 to 70,000 volts	0	0	79	0	0	0
71,000 to 121,000 volts	0	0	0	0	0	25
132,000 to 143,000 volts	0	0	0	1,058	0	0
144,000 to 188,000 volts	0	0	0	0	0	0
189,000 to 253,000 volts	1	14	17	72	0	0
254,000 to 400,000 volts	0	0	0	6	0	21
401,000 to 600,000 volts	0	0	127	273	0	0
601,000 to 850,000 volts	0	0	0	0	0	0
Total Structure Miles	1	15	223	1,409	0	48
Overhead Lines (circuit miles)						
132,000 to 143,000 volts	0	0	0	1,289	0	0
144,000 to 188,000 volts	0	0	0	0	0	0
189,000 to 253,000 volts	1	14	17	72	0	0
254,000 to 400,000 volts	0	0	0	6	0	21
401,000 to 600,000 volts	0	0	127	273	0	0
601,000 to 850,000 volts	0	0	0	0	0	0
Total Circuit Miles	1	14	144	1,640	0	21
Underground and Submarine Lines (circuit miles)						
	0	1	0	0	0	0
Substations Transformer capacity (MVA)	550	610	560	9,836	42	610
Distribution System						
Substations Transformer Capacity (MVA)	0	0	57	7,728	0	673
Line Transformers (number)	0	0	13,057	272,655	0	12,732
Line Transformers Capacity (MVA)	0	0	466	5,824	0	530
Meters (number)	0	0	59,951	670,493	0	89,974

Excluding station use

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

	Rhode Island	Rhode Island	South Carolina	South Carolina	South Carolina	South Dakota
Item	Narragansett Electric Co.	Newport Electric Corp.	Lockhart Power Co.	South Carolina Electric & Gas Co.	South Carolina Generating Co. Inc.	Black Hills Corp.
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	14	0	0
22,000 to 30,000 Volts	0	50	0	0	0	82
31,000 to 40,000 Volts	133	0	60	72	0	0
41,000 to 50,000 Volts	0	0	0	662	0	9
51,000 to 70,000 Volts	4	9	0	0	0	504
71,000 to 131,000 Volts	148	8	0	1,409	0	4
132,000 to 143,000 Volts	0	0	0	0	0	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	0	822	0	447
254,000 to 400,000 Volts	26	0	0	0	0	0
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	311	67	60	2,979	0	1,046
Overhead Lines (circuit miles)						
132,000 to 143,000 Volts	0	0	0	0	0	0
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	0	864	0	447
254,000 to 400,000 Volts	26	0	0	0	0	0
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	26	0	0	864	0	447
Underground and Submarine Lines (circuit miles)						
	6	20	0	3	0	0
Substations Transformer capacity (MVA)	1,015	311	51	12,597	0	571
Distribution System						
Substations Transformer Capacity (MVA)	1,571	229	175	3,842	0	262
Line Transformers (number)	55,331	5,191	2,830	188,689	0	17,303
Line Transformers Capacity (MVA)	2,229	251	77	7,533	0	754
Meters (number)	329,079	38,411	5,494	478,848	0	56,265

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	South Dakota Northwestern Public Service Co	Tennessee Kingsport Power Co	Tennessee Tapoco Inc	Texas Central Power & Light Co	Texas El Paso Electric Co	Texas Gulf States Utilities Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	6	0	0	0	0
31,000 to 40,000 Volts	640	21	0	0	0	0
41,000 to 50,000 Volts	0	0	0	0	0	0
51,000 to 70,000 Volts	255	3	0	1,611	304	1,237
71,000 to 131,000 Volts	318	0	0	0	380	0
132,000 to 143,000 Volts	0	23	0	2,255	0	1,905
144,000 to 188,000 Volts	0	0	56	0	0	0
189,000 to 253,000 Volts	18	0	0	0	0	566
254,000 to 400,000 Volts	48	0	0	537	633	37
401,000 to 600,000 Volts	0	0	0	0	120	430
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	1,279	53	56	4,403	1,437	4,175
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	44	0	2,132	0	2,064
144,000 to 188,000 Volts	0	0	72	0	0	0
189,000 to 253,000 Volts	18	0	0	0	0	683
254,000 to 400,000 Volts	48	0	0	1,037	633	37
401,000 to 600,000 Volts	0	0	0	0	120	433
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	66	44	72	3,169	753	3,217
Underground and Submarine Lines (circuit miles)						
	0	0	0	0	0	0
Substations Transformer capacity (MVA)	1,011	444	1,567	3,555	2,314	34,860
Distribution System						
Substations Transformer Capacity (MVA)	376	128	0	3,094	2,902	5,532
Line Transformers (number)	17,543	12,492	0	197,262	58,140	281,510
Line Transformers Capacity (MVA)	834	509	0	7,398	2,306	12,174
Meters (number)	57,735	40,185	0	609,766	294,444	590,489

Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Texas Houston Lighting & Power Co	Texas Southwestern Electric Service Co	Texas Southwestern Public Service Co	Texas Utilities Electric Co	Texas Texas- New Mexico Power Co	Texas West Texas Utilities Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	0	0	0	0
41,000 to 50,000 Volts	0	0	0	0	0	0
51,000 to 70,000 Volts	430	0	1,617	2,641	706	2,795
71,000 to 131,000 Volts	0	384	2,099	0	194	14
132,000 to 143,000 Volts	1,512	44	0	5,367	360	1,465
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	1,138	6	0	0
254,000 to 400,000 Volts	609	0	161	2,623	253	221
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	2,551	428	5,015	10,637	1,513	4,495
Overhead Lines* (circuit miles)						
132,000 to 143,000 Volts	1,954	44	0	6,173	360	1,465
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	1,354	11	0	0
254,000 to 400,000 Volts	1,031	0	161	3,868	253	221
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	2,985	44	1,515	10,052	613	1,686
Underground and Submarine Lines (circuit miles)						
	2	0	0	48	0	0
Substations Transformer capacity (MVA)	28,146	30	14,382	51,316	626	3,695
Distribution System						
Substations Transformer Capacity (MVA)	25,955	457	4,069	25,608	1,315	1,514
Line Transformers (number)	390,486	23,545	120,340	658,145	95,932	78,112
Line Transformers Capacity (MVA)	26,425	571	4,265	34,053	2,971	2,363
Meters (number)	1,660,360	40,367	360,774	2,281,783	225,475	149,090

Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Sources: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Vermont Central Vermont Public Service Corp	Vermont Green Mountain Power Corp	Vermont Vermont Electric Power Co Inc	Vermont Vermont Yankee Nuclear Power Corp	Virginia Appalachian Power Co	Virginia Virginia Electric & Power Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	129	266	0	0	0	0
41,000 to 50,000 Volts	463	5	0	0	785	0
51,000 to 70,000 Volts	12	0	0	0	820	100
71,000 to 131,000 Volts	1	2	371	0	211	1,992
132,000 to 143,000 Volts	0	0	0	0	1,989	105
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	33	0	0	1,011
254,000 to 400,000 Volts	8	0	79	0	297	0
401,000 to 600,000 Volts	0	0	0	0	95	1,010
601,000 to 850,000 Volts	0	0	0	0	640	0
Total Structure Miles	613	273	483	0	4,837	4,218
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	0	0	0	3,144	116
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	0	0	33	0	0	1,618
254,000 to 400,000 Volts	8	0	79	0	323	0
401,000 to 600,000 Volts	0	0	0	0	190	1,010
601,000 to 850,000 Volts	0	0	0	0	1,280	0
Total Circuit Miles	8	0	112	0	4,937	2,744
Underground and Submarine Lines (circuit miles)						
	0	0	1	0	10	20
Substations Transformer capacity (MVA)	229	67	2,022	0	35,856	26,300
Distribution System						
Substations Transformer Capacity (MVA)	655	488	0	0	2,699	24,416
Line Transformers (number)	62,483	31,032	0	0	320,481	501,568
Line Transformers Capacity (MVA)	1,064	997	0	0	9,962	25,753
Meters (number)	175,723	81,238	0	0	842,437	1,826,744

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Washington Puget Sound Power & Light Co	Washington Water Power Co	West Virginia Monongahela Power Co	West Virginia Wheeling Power Co	Wisconsin Consolidated Water Power Co	Wisconsin Madison Gas & Electric Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	0	0
22,000 to 30,000 Volts	0	0	0	0	0	0
31,000 to 40,000 Volts	0	0	0	0	0	0
41,000 to 50,000 Volts	0	0	0	0	59	0
51,000 to 70,000 Volts	258	6	0	64	0	58
71,000 to 131,000 Volts	1,591	1,504	0	0	0	0
132,000 to 143,000 Volts	0	0	1,309	95	22	71
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	225	542	0	0	0	0
254,000 to 400,000 Volts	0	0	11	9	0	0
401,000 to 600,000 Volts	497	113	283	16	0	116
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	2,571	2,165	1,603	184	81	245
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	0	1,359	99	22	112
144,000 to 188,000 Volts	0	0	0	0	0	0
189,000 to 253,000 Volts	225	544	0	0	0	0
254,000 to 400,000 Volts	0	0	11	16	0	134
401,000 to 600,000 Volts	497	113	283	16	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	722	657	1,663	131	22	246
Underground and Submarine Lines (circuit miles)						
	0	1	0	0	0	3
Substations Transformer capacity (MVA)	9,678	3,674	9,072	575	441	3,974
Distribution System						
Substations Transformer Capacity (MVA)	5,548	1,567	3,883	168	3	326
Line Transformers (number)	231,765	87,978	165,036	11,194	460	18,393
Line Transformers Capacity (MVA)	9,670	3,296	2,752	425	7,484	1,086
Meters (number)	782,737	273,897	355,489	43,137	1,244	115,549

¹ Excluding station use.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Wisconsin Northern States Power Co	Wisconsin Northwestern Wisconsin Elec Co	Wisconsin South Beloit Water Gas&Elec Co	Wisconsin Superior Water Light & Power Co	Wisconsin Wisconsin Electric Power Co	Wisconsin Wisconsin Power & Light Co
Transmission System						
Overhead Lines (structure miles)						
Less Than 22,000 Volts	0	0	0	0	7	0
22,000 to 30,000 Volts	8	0	0	0	0	0
31,000 to 40,000 Volts	381	0	0	0	0	191
41,000 to 50,000 Volts	0	0	0	0	0	0
51,000 to 70,000 Volts	1,027	0	14	0	344	1,670
71,000 to 131,000 Volts	538	0	0	43	0	0
132,000 to 143,000 Volts	0	0	0	0	1,158	628
144,000 to 188,000 Volts	254	0	0	43	0	0
189,000 to 253,000 Volts	0	0	0	0	52	0
254,000 to 400,000 Volts	164	0	0	0	501	100
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Structure Miles	2,372	0	14	86	2,062	2,589
Overhead Lines¹ (circuit miles)						
132,000 to 143,000 Volts	0	0	0	0	1,588	790
144,000 to 188,000 Volts	258	0	0	43	0	0
189,000 to 253,000 Volts	0	0	0	0	123	0
254,000 to 400,000 Volts	164	0	0	0	563	107
401,000 to 600,000 Volts	0	0	0	0	0	0
601,000 to 850,000 Volts	0	0	0	0	0	0
Total Circuit Miles	422	0	0	43	2,274	897
Underground and Submarine Lines (circuit miles)						
Substations Transformer capacity (MVA)	3,920	46	0	150	11,566	5,918
Distribution System						
Substations Transformer Capacity (MVA)	1,866	31	64	161	12,748	2,505
Line Transformers (number)	65,766	5,390	1,845	1,927	193,866	132,413
Line Transformers Capacity (MVA)	2,194	94	87	81	9,266	4,085
Meters (number)	209,851	11,496	6,014	12,800	972,647	376,519

¹ Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others

Table 43. Transmission and Distribution Systems by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)

Item	Wisconsin	Wisconsin
	Wisconsin Public Service Corp.	Wisconsin River Power Co.
Transmission System		
Overhead Lines (structure miles)		
Less Than 22,000 Volts	0	
22,000 to 30,000 Volts	0	
31,000 to 40,000 Volts	0	
41,000 to 50,000 Volts	100	
51,000 to 70,000 Volts	476	
71,000 to 131,000 Volts	554	
132,000 to 143,000 Volts	266	
144,000 to 188,000 Volts	0	
189,000 to 253,000 Volts	0	
254,000 to 400,000 Volts	174	
401,000 to 600,000 Volts	0	
601,000 to 850,000 Volts	0	
Total Structure Miles	1,550	
Overhead Lines¹ (circuit miles)		
132,000 to 143,000 Volts	281	
144,000 to 188,000 Volts	0	
189,000 to 253,000 Volts	0	
254,000 to 400,000 Volts	124	
401,000 to 600,000 Volts	0	
601,000 to 850,000 Volts	0	
Total Circuit Miles	405	
Underground and Submarine Lines (circuit miles)	0	
Substations Transformer capacity (MVA)	5,918	
Distribution System		
Substations Transformer Capacity (MVA)	1,539	
Line Transformers (number)	134,003	
Line Transformers Capacity (MVA)	4,230	
Meters (number)	340,799	

Excluding station use

Note: Totals may not equal sum of components because of independent rounding

Source: Federal Energy Regulatory Commission, FERC Form 1 - Annual Report of Major Electric Utilities, Licensees and Others

Selected Financial Indicators

Capitalization Ratios

Capitalization ratios show how capital structure is proportioned. The capitalization ratio measures the volume of capital contributed by stockholders in relationship to that advanced by bond and note holders. The short-term notes have been included as a portion of capitalization due to their wide use in financing in recent years. Short-term notes payable include the face value of all notes, drafts, and acceptances, as well as other similar evidence of indebtedness payable on demand, or within a time not exceeding 1 year from date of issue to those other than associated companies. The ratios are based on year-end balances.

Common Equity (Percent of Total Capitalization)

This common equity percent of total capitalization is based on the average of the beginning- and the end-of-the-year balances, and excludes short-term debt (notes payable) in the computation. This differs from the common equity shown in column 1 of the selected financial indicators table.

Rate of Return on Common Equity

The computed rates of return on common stock (common equity) for the major investor-owned electric utilities are presented. For some of the calculations not shown, the omitted electric utility essentially functions as an operating department of another company (its return was not meaningful). For other companies the ratio is not shown because they are in a net-loss position.

The computed rate of return is the relationship of total earnings available for common stock to the average of the beginning- and year-end balances for proprietary capital, less preferred stock.

The presentation of the rates of return on common equity is not intended as an evaluation of the reasonableness for returns under the applicable regulatory standards.

Utility Operating Revenues / Total Assets and Other Debits

This ratio measures the productivity of assets. As the ratio increases, it indicates that the assets have become more productive and are generating more revenues. This ratio is calculated by dividing utility operating revenues, as reported in Table 36 of this publication, by total assets and other debits, as reported in Table 37.

Interest Coverage

The number of times that fixed interest charges are earned (covered) is an indication of the margin of safety for interest on fixed debt. The times-interest-earned ratios are calculated by using earnings before interest and income taxes (Federal and other), interest on long-term debt, interest on debt to associated companies, and other interest expenses with the inclusion and exclusion of allowance for funds used during construction (AFUDC). In Table 44 this ratio of measurement has been omitted for electric utilities that either have no significant outstanding long-term debt or short-term notes payable, or are subsidiary companies that receive interest-free financing from the parent, and therefore, have no significant interest charges.

Table 44. Selected Financial Indicators by Investor-Owned Electric Utility Within State, 1989

Utilities	Common Equity	Preferred Stock	Long-Term Debt	Short-Term Debt (Notes Payable)	Common Equity Percent of Total Capitalization ¹
	(percent)	(percent)	(percent)	(percent)	
Total Average	42.7	7.6	47.9	1.7	43.4
ALABAMA					
Alabama Power Co.	43.0	10.0	46.4	6	42.4
Southern Electric Generating Co.	38.6	0	61.4	0	39.1
ARIZONA					
Arizona Public Service Co.	39.6	7.7	47.7	5.0	42.0
Century Power Corp.	44.4	0	55.6	0	45.0
Tucson Electric Power Co.	35.3	4.4	54.7	5.5	40.8
ARKANSAS					
Arkansas Power & Light Co.	39.9	10.1	50.0	0	39.9
CALIFORNIA					
Pacific Gas & Electric Co.	45.1	7.0	47.0	9	44.4
San Diego Gas & Electric Co.	50.3	6.0	41.4	2.3	51.2
Southern California Edison Co.	41.0	5.4	47.2	6.5	43.6
COLORADO					
Public Service Co. of Colorado	47.2	10.0	40.5	2.3	47.5
CONNECTICUT					
Citizens Utilities Co.	66.4	0	33.6	0	67.6
Connecticut Light & Power Co.	36.4	11.5	51.6	6	36.9
Connecticut Yankee Atom. Pwr. Co.	29.1	0	62.7	8.2	31.1
Holyoke Power & Electric Co.	30.3	0	69.7	0	27.0
United Illuminating Co.	26.6	5.1	65.0	3.3	30.3
DELAWARE					
Delmarva Power & Light Co.	43.3	9.3	46.8	6	43.7
DISTRICT OF COLUMBIA					
Potomac Electric Power Co.	46.6	4.8	44.2	4.4	48.7
FLORIDA					
Florida Power & Light Co.	43.5	8.2	46.9	1.5	43.8
Florida Power Corp.	45.7	9.4	41.8	3.1	47.0
Gulf Power Co.	39.3	7.3	53.4	0	38.7
Tampa Electric Co.	54.1	4.7	39.7	1.5	54.8
GEORGIA					
Georgia Power Co.	39.9	8.4	51.7	0	40.1
Savannah Electric & Power Co.	50.5	6.6	40.9	0	49.9
HAWAII					
Hawaiian Electric Co. Inc.	52.0	9.6	32.9	5.5	55.8
Mau Electric Co. Ltd.	43.4	11.6	45.0	0	45.4
IDAHO					
Idaho Power Co.	47.6	4.8	45.1	2.5	48.2
ILLINOIS					
Central Illinois Light Co.	44.7	10.3	44.0	0	44.4
Central Illinois Pub. Serv. Co.	50.6	7.5	41.9	0	50.2
Commonwealth Edison Co.	46.4	6.4	47.2	0	46.6
Electric Energy Inc.	41.8	0	0	58.2	79.7
Illinois Power Co.	36.8	11.2	52.0	1	39.2
Mt. Carmel Public Utility Co.	100.0	0	0	0	100.0
INDIANA					
Alcoa Generating Corp.	100.0	0	0	0	100.0
AEP Generating Co.	37.6	0	62.4	0	35.8
Commonwealth Edison Co. of Ind.	53.2	23.6	23.2	0	51.9
Indiana Michigan Power Co.	34.9	8.1	57.0	0	35.3

See endnotes at end of this table.

Table 44. Selected Financial Indicators by Investor-Owned Electric Utility Within State, 1989 (continued)

Utilities	Rate of Return on Common Equity	Utility Operating Revenue Percent of Total Assets & Other Debits	Interest Coverage Before Taxes With AFUDC	Interest Coverage Before Taxes Without AFUDC
Total Average	10.3	35.9	2.61	2.46
ALABAMA				
Alabama Power Co.	11.5	33.6	2.95	2.72
Southern Electric Genertg Co.	15.8	96.1	2.42	2.32
ARIZONA				
Arizona Public Service Co.	9.4	23.0	2.18	2.10
Century Power Corp.	NA	57.7	.80	.77
Tucson Electric Power Co.	NA	22.3	NA	NA
ARKANSAS				
Arkansas Power & Light Co.	10.9	35.2	2.24	2.19
CALIFORNIA				
Pacific Gas & Electric Co.	11.1	42.6	2.95	2.89
San Diego Gas & Electric Co.	14.2	49.8	4.01	3.80
Southern California Edison Co.	14.9	42.2	3.16	3.12
COLORADO				
Public Service Co. of Colorado	15.4	59.6	3.59	3.55
CONNECTICUT				
Citizens Utilities Co.	18.6	13.7	6.39	6.22
Connecticut Light & Power Co.	12.3	37.7	2.47	2.44
Connecticut Yankee Atom. Pwr. Co.	17.1	48.0	1.96	1.78
Holyoke Power & Electric Co.	NA	17.2	NA	NA
United Illuminating Co.	NA	24.4	NA	NA
DELAWARE				
Delmarva Power & Light Co.	13.4	39.9	3.02	2.91
DISTRICT OF COLUMBIA				
Potomac Electric Power Co.	15.5	36.2	3.57	3.43
FLORIDA				
Florida Power & Light Co.	14.5	52.7	3.45	3.37
Florida Power Corp.	15.2	46.0	3.81	3.76
Gulf Power Co.	10.3	37.8	2.59	2.60
Tampa Electric Co.	14.9	49.6	4.73	4.68
GEORGIA				
Georgia Power Co.	17.8	30.6	2.25	2.10
Savannah Electric & Power Co.	17.0	45.8	4.01	4.00
HAWAII				
Hawaiian Electric Co. Inc.	15.0	53.0	4.38	4.22
Mau. Electric Co. Ltd.	15.6	54.0	3.47	3.34
IDAHO				
Idaho Power Co.	13.9	30.4	3.20	3.15
ILLINOIS				
Central Illinois Light Co.	14.5	44.3	3.67	3.66
Central Illinois Pub. Serv. Co.	11.0	34.1	3.92	3.91
Commonwealth Edison Co.	8.7	28.0	2.52	2.46
Electric Energy Inc.	135.1	427.6	9.98	9.98
Illinois Power Co.	NA	32.7	NA	NA
Mt. Carmel Public Utility Co.	11.0	154.9	99.74	99.74
INDIANA				
Alcoa Generating Corp.	17	157.5	NA	NA
AEP Generating Co.	18.7	18.0	1.63	2.74
Commonwealth Edison Co. IN Inc.	10.2	60.5	6.82	6.67
Indiana Michigan Power Co.	12.3	29.6	3.60	3.17

See endnotes at end of this table.

Table 44. Selected Financial Indicators by Investor-Owned Electric Utility Within State, 1989 (continued)

Utilities	Common Equity	Preferred Stock	Long-Term Debt	Short-Term Debt (Notes Payable)	Common Equity Percent of Total Capitalization ¹
	(percent)	(percent)	(percent)	(percent)	
INDIANA					
Indianapolis Power & Light Co.	49.4	5.8	44.8	0.0	49.3
Northern Indiana Pub. Serv. Co.	40.6	6.8	50.7	1.8	40.8
Public Service Co. of IN Inc.	37.7	8.1	53.6	5	34.5
Southern Indiana Gas & Elec. Co.	48.6	3.8	47.6	0	47.9
IOWA					
Interstate Power Co.	46.1	7.2	46.1	5	45.5
Iowa Electric Light & Power Co.	46.6	4.3	46.1	3.1	47.7
Iowa Power & Light Co.	37.8	2.3	58.5	1.3	37.8
Iowa Public Service Co.	41.5	9.1	44.2	5.2	43.2
Iowa Southern Utilities Co.	50.9	5.9	43.2	0	50.5
Iowa-Illinois Gas&Electric Co.	51.2	3.6	43.9	1.2	51.3
KANSAS					
Centel Corp.	73.3	2.0	24.7	0	67.5
Kansas Gas & Electric Co.	40.9	1.2	45.3	8.7	44.6
Kansas Power & Light Co.	45.3	3.3	41.1	10.3	50.2
KENTUCKY					
Kentucky Power Co.	42.3	0	56.9	8	41.4
Kentucky Utilities Co.	52.8	7.4	39.8	0	51.9
Louisville Gas & Electric Co.	42.7	8.4	44.7	4.2	45.3
Ohio Valley Transmission Co.	37.2	0	62.8	0	35.4
Union Light Heat & Power Co.	51.5	0	38.3	10.3	59.9
LOUISIANA					
Central Louisiana Elec. Co. Inc.	44.2	2.2	46.9	6.7	46.9
Louisiana Power & Light Co.	31.5	9.6	58.8	0	30.8
New Orleans Public Service Inc.	22.0	8.6	69.4	0	20.6
Southwestern Electric Power Co.	49.4	4.3	46.2	0	49.3
MAINE					
Bangor Hydro-Electric Co.	37.6	11.2	41.3	9.9	34.3
Central Maine Power Co.	42.5	5.2	47.2	5.0	42.7
Maine Electric Power Co. Inc.	16.0	0	84.0	0	15.7
Maine Public Service Co.	52.9	4.0	37.0	6.1	52.2
Maine Yankee Atomic Power Co.	25.3	2.9	68.4	3.4	26.1
MARYLAND					
Baltimore Gas & Electric Co.	46.3	11.5	39.4	2.7	48.5
Potomac Edison Co.	47.7	9.9	36.3	6.1	50.4
MASSACHUSETTS					
Boston Edison Co.	55.8	6.7	46.5	10.5	41.3
Cambridge Electric Light Co.	43.9	0	43.2	12.9	52.2
Canal Electric Co.	47.1	0	20.7	32.2	57.9
Commonwealth Electric Co.	47.4	0	46.9	5.8	50.6
Eastern Edison Co.	39.4	8.2	50.2	2.3	40.2
Fitchburg Gas & Elec. Light Co.	41.8	4.1	48.9	5.1	43.8
Holyoke Water Power Co.	46.3	0	53.7	0	45.1
Massachusetts Electric Co.	42.5	8.9	48.6	0	42.4
Milton Electric Co.	49.1	4	42.7	3.8	52.0
New England Power Co.	44.7	5.6	43.7	0	44.1
Western Massachusetts Elec. Co.	33.9	14.3	46.0	3.9	34.6
Yankee Atomic Electric Co.	45.3	0	38.8	15.9	48.7
MICHIGAN					
Consumers Power Co.	37.8	3.3	55.2	3.7	36.0
Detroit Edison Co.	32.6	4.6	62.8	0	31.8
Edison Sault Electric Co.	41.6	0	58.3	1	45.1
Michigan Power Co.	50.5	0	39.0	10.4	55.8
Upper Peninsula Power Co.	51.4	5.4	43.2	0	51.1

See endnotes at end of this table.

Table 44. Selected Financial Indicators by Investor-Owned Electric Utility Within State, 1989 (continued)

Utilities	Rate of Return on Common Equity	Utility Operating Revenue Percent of Total Assets & Other Debits	Interest Coverage Before Taxes With AFUDC	Interest Coverage Before Taxes Without AFUDC
INDIANA				
Indianapolis Power & Light Co	14.6	35.5	3.70	3.68
Northern Indiana Pub. Serv. Co	7.2	42.5	2.58	2.57
Public Service Co. of IN Inc.	24.3	50.1	4.36	4.32
Southern Indiana Gas & Elec. Co	14.3	45.4	4.12	4.09
IOWA				
Interstate Power Co.	13.6	52.7	3.13	3.11
Iowa Electric Light & Power Co	12.5	42.3	2.87	2.78
Iowa Power & Light Co	13.2	32.2	3.46	3.34
Iowa Public Service Co.	13.7	51.1	2.96	2.95
Iowa Southern Utilities Co.	17.9	43.1	5.05	4.99
Iowa Illinois Gas & Electric Co	13.2	41.0	3.50	3.40
KANSAS				
Centel Corp.	44.3	8.8	10.38	10.37
Kansas Gas & Electric Co	6.9	17.3	1.63	1.63
Kansas Power & Light Co	11.9	57.7	2.78	2.75
KENTUCKY				
Kentucky Power Co.	21.9	48.2	3.84	3.83
Kentucky Utilities Co.	17.2	37.8	4.20	4.19
Louisville Gas & Electric Co.	11.3	35.6	3.25	3.25
Ohio Valley Transmission Co.	5.4	12.1	1.38	1.38
Union Light Heat & Power Co.	3.9	99.6	1.78	1.72
LOUISIANA				
Central Louisiana Elec. Co. Inc.	13.2	34.5	2.77	2.73
Louisiana Power & Light Co.	7.4	31.3	1.72	1.70
New Orleans Public Service Inc.	16.2	81.0	1.59	1.59
Southwestern Electric Power Co.	14.6	37.7	3.35	3.34
MAINE				
Bangor Hydro-Electric Co.	13.1	51.7	1.95	1.87
Central Maine Power Co.	11.8	51.5	2.25	2.18
Maine Electric Power Co. Inc.	12.0	65.0	1.44	1.43
Maine Public Service Co.	11.9	54.4	2.62	2.55
Maine Yankee Atomic Power Co.	12.6	37.8	1.64	1.63
MARYLAND				
Baltimore Gas & Electric Co.	12.6	35.0	3.14	2.89
Potomac Edison Co.	18.6	63.0	5.10	5.02
MASSACHUSETTS				
Boston Edison Co.	NA	42.7	2.93	2.83
Cambridge Electric Light Co.	6.0	82.0	1.47	1.11
Canal Electric Co.	12.5	60.0	2.24	1.53
Commonwealth Electric Co.	10.5	89.9	1.61	1.53
Eastern Edison Co.	14.8	40.0	2.50	2.49
Fitchburg Gas & Elec. Light Co.	9.5	60.4	1.86	1.86
Holyoke Water Power Co.	16.9	28.0	3.99	3.95
Massachusetts Electric Co.	4.8	117.7	1.87	1.85
Montaup Electric Co.	15.5	57.0	2.48	2.07
New England Power Co.	18.9	53.9	3.51	3.44
Western Massachusetts Elec. Co.	10.5	30.1	2.13	2.09
Yankee Atomic Electric Co.	11.6	96.2	2.87	2.82
MICHIGAN				
Consumers Power Co.	17.2	31.5	3.43	3.43
Detroit Edison Co.	16.4	31.5	2.06	2.05
Edison Sault Electric Co.	14.2	65.6	2.40	2.40
Michigan Power Co.	16.6	109.8	3.17	3.14
Upper Peninsula Power Co.	11.5	57.0	3.61	3.61

See endnotes at end of this table

Table 44. Selected Financial Indicators by Investor-Owned Electric Utility Within State, 1989 (continued)

Utilities	Common Equity	Preferred Stock	Long-Term Debt	Short-Term Debt (Notes Payable)	Common Equity Percent of Total Capitalization ¹
	(percent)	(percent)	(percent)	(percent)	
MINNESOTA					
Minnesota Power & Light Co.	51.1	6.1	42.1	0.6	51.3
Northern States Power Co.	50.5	10.2	39.3	0	49.8
Otter Tail Power Co.	52.1	9.9	38.0	0	51.7
MISSISSIPPI					
Mississippi Power & Light Co.	32.8	11.4	55.9	0	33.7
Mississippi Power Co.	44.1	7.2	46.6	2.1	44.2
System Energy Resources Inc.	44.0	0	56.0	0	46.8
MISSOURI					
Empire District Electric Co.	41.8	3.6	47.1	1.5	49.0
Kansas City Power & Light Co.	44.3	5.0	48.7	2.0	44.4
St. Joseph Light & Power Co.	60.2	0	39.8	0	59.4
Union Electric Co.	45.6	5.3	48.1	1.0	44.9
UtiliCorp United Inc.	44.1	10.2	38.6	7.1	46.5
MONTANA					
Montana Power Co.	54.3	3.6	38.3	3.8	56.2
NEVADA					
Nevada Power Co.	45.1	5.1	49.8	0	46.4
Sierra Pacific Power Co.	41.5	6.6	48.0	4.0	42.8
NEW HAMPSHIRE					
James River-Nor Electric Inc.	100.0	0	0	0	100.0
New England Electric Transmission Corp.	10.8	0	89.2	0	11.0
Public Service Co. of NH	11.2	45.9	33.2	9.8	41.8
NEW JERSEY					
Atlantic City Electric Co.	45.9	8.6	45.5	0	46.0
Jersey Central Power & Light Co.	44.3	6.1	44.1	5.5	47.4
Public Service Electric & Gas Co.	45.8	5.4	44.8	4.1	47.9
Rockland Electric Co.	67.0	4.1	19.5	9.4	72.6
NEW MEXICO					
Public Service Co. of NM	44.3	6.5	47.2	2.0	42.9
NEW YORK					
Central Hudson Gas & Elec. Corp.	38.0	9.6	52.5	0	37.5
Consolidated Edison Co. of NY Inc.	53.3	7.8	39.0	0	54.0
Long Island Lighting Co.	27.0	9.9	63.1	0	31.2
Long Sault Inc.	100.0	0	0	0	100.0
New York State Elec. & Gas Corp.	37.8	5.4	53.1	3.7	37.6
Niagara Mohawk Power Corp.	32.5	9.8	56.9	9	33.4
Orange & Rockland Util. Inc.	43.9	7.6	36.3	12.2	49.2
Rochester Gas & Electric Corp.	39.2	6.7	54.2	0	38.1
NORTH CAROLINA					
Carolina Power & Light Co.	45.9	6.4	45.3	2.4	45.0
Duke Power Co.	50.3	9.4	37.9	2.3	50.9
Nantahala Power & Light Co.	76.8	0	13.4	9.8	83.9
Wadkin Inc.	100.0	0	0	0	100.0
NORTH DAKOTA					
MDU Resources Group Inc.	52.9	3.2	43.8	0	52.3
OHIO					
Cincinnati Gas & Electric Co.	42.4	8.0	46.3	3.2	43.3
Cleveland Electric Illum. Co.	39.0	9.3	51.6	0	38.8
Columbus Southern Power Co.	33.1	9.9	53.7	3.3	32.2
Dayton Power & Light Co.	44.5	6.7	48.8	0	42.4
Indiana Kentucky Electric Corp.	10.5	0	89.1	0	10.8
Ohio Edison Co.	46.1	6.3	47.0	0	46.0
Ohio Power Co.	47.4	9.7	40.8	2.2	46.9

See endnotes at end of this table.

Table 44. Selected Financial Indicators by Investor-Owned Electric Utility Within State, 1989 (continued)

Utilities	Rate of Return on Common Equity	Utility Operating Revenue Percent of Total Assets & Other Debits	Interest Coverage Before Taxes With AFUDC	Interest Coverage Before Taxes Without AFUDC
MINNESOTA				
Minnesota Power & Light Co.	16.9	28.4	3.85	3.85
Northern States Power Co.	13.9	40.0	4.50	4.44
Otter Tail Power Co.	14.2	37.2	4.63	4.60
MISSISSIPPI				
Mississippi Power & Light Co.	1	44.0	1.21	1.19
Mississippi Power Co.	14.4	46.3	3.52	3.45
System Energy Resources Inc.	NA	20.3	NA	NA
MISSOURI				
Empire District Electric Co.	13.4	38.5	3.23	3.15
Kansas City Power & Light Co.	12.4	27.9	2.55	2.53
St. Joseph Light & Power Co.	14.6	48.6	4.58	4.54
Union Electric Co.	13.9	34.8	3.56	3.46
UMKC Corp. United Inc.	12.2	56.9	2.76	2.74
MONTANA				
Montana Power Co.	9.0	25.9	3.00	2.97
NEVADA				
Nevada Power Co.	12.8	38.3	2.56	2.39
Sierra Pacific Power Co.	13.6	36.5	2.87	2.85
NEW HAMPSHIRE				
James River NH Electric Inc.	2.7	76.8	NA	NA
New England Electric Transmission Corp.	20.7	18.4	1.27	1.27
Public Service Co. of NH	NA	25.3	NA	NA
NEW JERSEY				
Atlantic City Electric Co.	14.7	39.2	3.25	3.19
Jersey Central Power & Light Co.	12.4	45.9	2.97	2.86
Public Service Electric & Gas Co.	14.1	41.4	3.30	3.20
Rockland Electric Co.	11.3	84.4	5.57	5.48
NEW MEXICO				
Public Service Co. of NM	9.6	35.8	2.12	2.06
NEW YORK				
Central Hudson Gas & Elec. Corp.	10.6	42.4	2.12	2.10
Consolidated Edison Co. of NY Inc.	13.2	53.0	4.52	4.57
Long Island Lighting Co.	NA	25.4	.80	.59
Long Sault Inc.	12.8	76.9	NA	NA
New York State Elec. & Gas Corp.	12.1	30.3	2.10	2.06
Niagara Mohawk Power Corp.	5.6	37.9	1.64	1.58
Orange & Rockland Utils. Inc.	13.3	52.9	2.95	2.90
Rochester Gas & Electric Corp.	11.7	45.9	2.27	2.21
NORTH CAROLINA				
Carolina Power & Light Co.	13.7	30.7	3.14	3.09
Duke Power Co.	14.6	36.7	4.22	3.90
Nantahala Power & Light Co.	8.2	57.9	5.96	5.64
Yadkin Inc.	4.8	111.0	NA	NA
NORTH DAKOTA				
MDU Resources Group Inc.	12.7	38.5	3.07	3.07
OHIO				
Cincinnati Gas & Electric Co.	18.1	36.2	3.36	2.46
Cleveland Electric Illum. Co.	11.6	19.3	2.22	2.15
Columbus Southern Power Co.	19.0	39.1	2.55	1.85
Dayton Power & Light Co.	12.0	35.9	3.01	2.14
Indiana-Kentucky Electric Corp.	0	240.1	1.14	1.14
Ohio Edison Co.	13.1	26.3	3.09	2.92
Ohio Power Co.	16.4	46.5	4.28	4.22

See endnotes at end of this table.

Table 44. Selected Financial Indicators by Investor-Owned Electric Utility Within State, 1989 (continued)

Utilities	Common Equity	Preferred Stock	Long-Term Debt	Short-Term Debt (Notes Payable)	Common Equity Percent of Total Capitalization ¹
	(percent)	(percent)	(percent)	(percent)	
OHIO					
Ohio Valley Electric Corp.	24.8	0.0	75.2	0.0	24.7
Toledo Edison Co.	36.1	11.3	52.6	0	35.9
OKLAHOMA					
Oklahoma Gas & Electric Co.	50.9	3.2	45.1	8	51.5
Public Service Co. of Oklahoma	48.3	2.6	49.1	0	48.3
OREGON					
Fale-Sale Inc.	100.3	0	0	0	102.0
PacificCorp.	50.3	4.8	41.1	3.8	52.1
Portland General Electric Co.	38.8	9.1	48.8	3.2	41.8
Warm Springs Power Enterprises	47.6	0	52.4	0	46.3
PENNSYLVANIA					
Susquehanna Light Co.	41.3	3.4	55.3	0	41.7
Metropolitan Edison Co.	41.3	12.9	39.8	0	47.5
Pennsylvania Electric Co.	44.7	9.3	44.2	1.8	46.6
Pennsylvania Power & Light Co.	39.6	11.9	48.3	2	39.2
Pennsylvania Power Co.	34.2	13.1	49.2	3.5	35.3
Philadelphia Electric Co.	35.3	9.2	54.4	1.1	36.1
Safe Harbor Water Power Corp.	54.8	0	45.2	0	54.8
Susquehanna Electric Co.	47.1	0	53.0	0	47.6
UGI Corp.	50.1	7.7	33.2	9.0	57.0
West Penn Power Co.	49.6	7.8	40.3	2.3	50.7
York Haven Power Co.	100.0	0	0	0	100.0
RHODE ISLAND					
Blackstone Valley Electric Co.	41.6	8.2	50.1	0	46.3
Narragansett Electric Co.	46.1	10.3	43.6	0	43.5
Newport Electric Corp.	24.6	3.0	72.4	0	26.2
SOUTH CAROLINA					
Lockhart Power Co.	100.0	0	0	0	100.0
South Carolina Electric & Gas Co.	44.8	5.4	47.6	2.2	46.2
South Carolina Generatg Co. Inc.	17.9	0	82.1	0	17.8
SOUTH DAKOTA					
Black Hills Corp.	72.9	0	27.1	0	72.1
Northwestern Public Service Co.	52.9	3.4	43.8	0	51.9
TENNESSEE					
Kingsport Power Co.	41.1	0	52.7	6.2	43.3
Tapco Inc.	100.0	0	0	0	100.0
TEXAS					
Central Power & Light Co.	47.2	9.5	43.3	0	45.4
El Paso Electric Co.	32.1	9.1	43.7	15.1	39.5
Gulf States Utilities Co.	38.0	12.7	49.3	0	38.1
Houston Lighting & Power Co.	42.5	7.7	49.8	0	43.9
Southwestern Electric Serv. Co.	59.5	3.9	36.6	0	58.3
Southwestern Public Service Co.	49.6	7.7	42.7	0	48.9
Texas Utilities Electric Co.	43.7	10.1	46.2	0	43.1
Texas-New Mexico Power Co.	45.5	4.6	45.2	4.6	47.6
West Texas Utilities Co.	47.2	5.6	47.2	0	46.3
VERMONT					
Central Vermont Pub. Serv. Corp.	46.5	5.2	42.2	6.0	49.9
Green Mountain Power Corp.	47.8	2.3	40.0	9.8	56.1
Vermont Electric Power Co. Inc.	10.9	12.7	76.5	0	10.5
Vermont Yankee Nucl. Pwr. Corp.	43.1	0	56.9	0	40.7
VIRGINIA					
Appalachian Power Co.	44.9	8.3	46.7	0	44.2
Virginia Electric & Power Co.	39.8	10.1	50.1	0	40.0

See endnotes at end of this table.

Table 44. Selected Financial Indicators by Investor-Owned Electric Utility Within State, 1989 (continued)

Utilities	Rate of Return on Common Equity	Utility Operating Revenue Percent of Total Assets & Other Debts	Interest Coverage Before Taxes With AFUDC	Interest Coverage Before Taxes Without AFUDC
OHIO				
Ohio Valley Electric Corp.	18.5	253.0	4.28	4.28
Toledo Edison Co.	8.2	18.5	1.54	1.44
OKLAHOMA				
Oklahoma Gas & Electric Co.	14.4	43.2	3.64	3.57
Public Service Co. of Oklahoma	14.3	46.3	3.16	3.12
OREGON				
Fall River Inc.	10.8	271.9	1.10	1.10
Pacific Corp.	14.6	28.0	3.54	3.45
Portland General Electric Co.	NA	30.1	1.84	1.79
Warm Springs Power Enterprises	28.7	21.1	3.79	3.79
PENNSYLVANIA				
Allegheny Light Co.	19.5	28.2	1.96	1.94
Metropolitan Edison Co.	15.6	41.3	4.04	3.96
Pennsylvania Electric Co.	16.2	43.1	4.15	4.03
Pennsylvania Power & Light Co.	14.6	31.3	2.74	2.70
Pennsylvania Power Co.	8.7	27.7	1.82	1.72
Philadelphia Electric Co.	13.5	25.9	2.01	1.59
Salem Harbor Water Power Corp.	12.8	20.5	3.07	3.07
Schuylkill Electric Co.	NA	453.5	42.79	42.79
York Corp.	14.9	47.8	3.25	3.25
West Penn Power Co.	14.9	55.0	4.02	3.95
York Haven Power Co.	10.2	45.2	NA	NA
RHODE ISLAND				
Blackstone Valley Electric Co.	NA	117.1	.72	.69
Narragansett Electric Co.	8.5	93.7	2.26	2.20
Newport Electric Corp.	7.7	83.1	1.34	1.30
SOUTH CAROLINA				
Lockhart Power Co.	9.2	135.3	NA	NA
South Carolina Electric & Gas Co.	13.9	38.7	2.85	2.77
South Carolina Genergy Co. Inc.	13.1	43.4	1.09	1.08
SOUTH DAKOTA				
Black Hills Corp.	13.1	35.6	7.19	7.17
Northwestern Public Service Co.	16.9	43.4	4.00	3.99
TENNESSEE				
Kingsport Power Co.	15.8	145.7	2.80	2.79
Tapscott Inc.	NA	65.4	NA	NA
TEXAS				
Central Power & Light Co.	19.1	19.8	2.72	2.43
El Paso Electric Co.	NA	20.9	NA	NA
Gulf States Utilities Co.	NA	24.8	1.06	1.05
Houston Lighting & Power Co.	14.1	32.1	2.60	2.43
Southwestern Electric Serv. Co.	12.1	100.3	3.61	3.60
Southwestern Public Service Co.	16.2	49.1	4.41	4.39
Texas Utilities Electric Co.	14.0	26.7	2.66	1.83
Texas New Mexico Power Co.	11.0	92.3	2.61	2.58
West Texas Utilities Co.	13.5	42.8	3.13	3.12
VERMONT				
Central Vermont Pub. Serv. Corp.	13.1	60.2	3.31	3.24
Green Mountain Power Corp.	12.7	74.5	3.23	3.14
Vermont Electric Power Co. Inc.	8.7	147.1	1.50	1.49
Vermont Yankee Nucl. Pwr. Corp.	12.1	44.2	2.05	1.95
VIRGINIA				
Appalachian Power Co.	15.0	50.1	3.72	3.71
Virginia Electric & Power Co.	12.1	34.3	2.74	2.72

See indexes at end of this table.

Table 44. Selected Financial Indicators by Investor-Owned Electric Utility Within State, 1989 (continued)

Utilities	Common Equity	Preferred Stock	Long-Term Debt	Short-Term Debt (Notes Payable)	Common Equity Percent of Total Capitalization
	(percent)	(percent)	(percent)	(percent)	
WASHINGTON					
Puget Sound Power & Light Co.	41.3	8.1	45.6	5.0	43.3
Washington Water Power Co.	41.5	9.8	48.7	0	40.8
WEST VIRGINIA					
Monongahela Power Co.	47.9	8.0	42.9	1.2	48.4
Wheeling Power Co.	37.8	0	47.2	15.0	44.1
WISCONSIN					
Consolidated Water Power Co.	100.0	0	0	0	100.0
Madison Gas & Electric Co.	47.7	1.9	42.1	8.3	51.3
Northern States Power Co.	62.6	0	37.4	0	61.7
Northwestern Wisconsin Elec. Co.	41.7	0	44.3	14.0	47.8
South Beloit Water Gas&Elec. Co.	100.0	0	0	0	100.0
Superior Water Light&Power Co.	48.9	0	51.1	0	48.6
Wisconsin Electric Power Co.	53.2	4.5	42.4	0	52.4
Wisconsin Power & Light Co.	50.2	7.3	38.3	4.2	51.9
Wisconsin Public Service Corp.	52.1	7.2	35.6	5.0	54.7
Wisconsin River Power Co.	100.0	0	0	0	100.0

See endnotes at end of this table.

Table 44. Selected Financial Indicators by Investor-Owned Electric Utility Within State, 1989 (continued)

Utilities	Rate of Return on Common Equity	Utility Operating Revenue Percent of Total Assets & Other Debts	Interest Coverage Before Taxes With AFUDC	Interest Coverage Before Taxes Without AFUDC
WASHINGTON				
Puget Sound Power & Light Co.	11.7	34.8	3.01	2.96
Washington Water Power Co.	12.8	34.5	3.07	3.06
WEST VIRGINIA				
Monongahela Power Co.	12.4	59.3	3.62	3.55
Wheeling Power Co.	10.9	116.7	2.45	2.44
WISCONSIN				
Consolidated Water Power Co.	18.4	155.7	NA	NA
Madison Gas & Electric Co.	12.8	54.4	2.72	2.63
Northern States Power Co.	13.6	70.9	4.37	4.29
Northwestern Wisconsin Elec. Co.	15.2	68.5	2.62	2.62
South Beloit Water Gas&Elec. Co.	17.0	120.1	NA	NA
Superior Water Light&Power Co.	12.7	98.4	2.97	2.97
Wisconsin Electric Power Co.	15.9	47.8	4.59	4.50
Wisconsin Power & Light Co.	14.8	57.3	4.06	4.00
Wisconsin Public Service Corp.	12.3	67.3	4.06	4.02
Wisconsin River Power Co.	10.2	29.5	NA	NA

Excludes short-term debt (notes payable) as a part of total capitalization.

NA = Not available.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

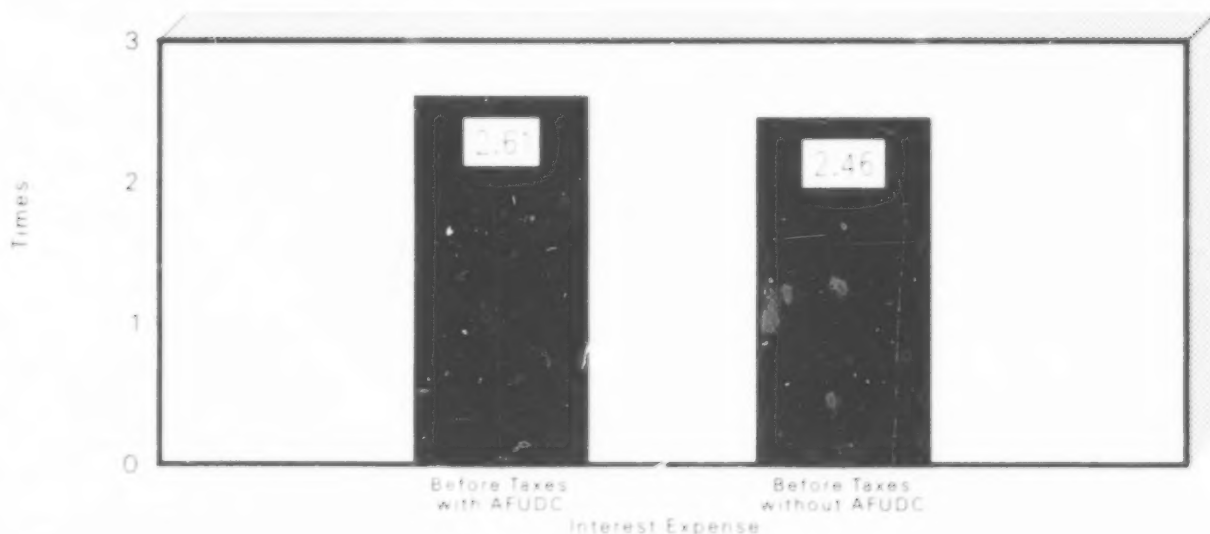
Figure 10. Capital Structure for Investor-Owned Electric Utilities, 1989



Note: Capital structure is the arithmetic average of the privately owned electric utilities published. Short-term debt has been included as a portion of capital structure. Sum of percents may not equal 100 because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Figure 11. Interest Coverage for Investor-Owned Electric Utilities, 1989



Note: (AFUDC) Allowance for Funds Used During Construction.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

**Table 45. Expenditures for Research, Development, and Demonstration
by Investor-Owned Electric Utility Within State,
1985 - 1989**
(Thousand Dollars)

State and Utility	1989	1988	1987	1986	1985
Total Research, Development, and Demonstration	584,687	580,756	559,921	570,551	560,499
ALABAMA					
Alabama Power Co.	10,305	9,888	9,891	9,676	8,899
Southern Electric Generating Co.	223	96	142	144	121
ARIZONA					
Arizona Public Service Co.	618	7,607	6,405	4,105	3,899
Century Power Corp.	0	0	0	0	0
Tucson Electric Power Co.	93	169	187	167	94
ARKANSAS					
Arkansas Power & Light Co.	3,886	6,931	-2,290	5,222	4,100
CALIFORNIA					
Pacific Gas & Electric Co.	46,693	29,176	24,988	31,169	27,932
San Diego Gas & Electric Co.	6,624	6,970	15,195	23,851	28,115
Southern California Edison Co.	55,157	60,869	57,748	51,010	45,169
COLORADO					
Public Service Co. of Colorado	4,128	4,031	4,062	3,580	3,212
CONNECTICUT					
Citizens Utilities Co.	0	0	0	0	0
Connecticut Light & Power Co.	5,553	5,403	5,566	5,789	6,101
Connecticut Yankee Atom. Pow. Co.	0	0	135	130	21
Holyoke Power & Electric Co.	0	0	0	0	0
United Illuminating Co.	122	123	45	104	40
DELAWARE					
Delmarva Power & Light	1,989	2,023	1,896	1,889	0
DISTRICT OF COLUMBIA					
Potomac Electric Power Co.	6,884	7,273	6,562	6,450	7,555
FLORIDA					
Florida Power & Light Co.	15,942	14,688	14,238	13,608	12,538
Florida Power Corp.	5,518	4,468	2,599	245	510
Gulf Power Co.	2,599	1,993	2,185	2,038	1,737
Tampa Electric Co.	2,793	2,767	105	2,000	2,491
GEORGIA					
Georgia Power Co.	18,137	20,945	21,271	19,193	18,886
Savannah Electric & Power Co.	729	592	518	500	315
HAWAII					
Hawaiian Electric Co. Inc.	1,720	1,704	1,592	1,790	1,722
Mau Electric Co. Ltd.	237	167	158	169	178
IDAHO					
Idaho Power Co.	1,416	1,059	1,049	1,482	1,320
ILLINOIS					
Central Illinois Light Co.	4	4	153	150	1,065
Central Illinois Pub. Serv. Co.	1,619	1,637	1,637	1,477	1,460
Commonwealth Edison Co.	21,150	20,933	19,287	20,571	34,434
Electric Energy Inc.	0	0	0	0	0
Illinois Power Co.	1,323	4,588	2,287	3,534	4,609
Mt. Carmel Public Utility Co.	0	0	0	0	0
INDIANA					
Alico Generating Corp.	0	0	0	0	0
AEP Generating Co.	49	79	92	53	0
Commonwealth Edison Co. of IN Inc.	0	0	0	0	0
Indiana Michigan Power Co.	0	727	998	1,482	1,627
Indianapolis Power & Light Co.	2,233	2,142	4,016	2,124	1,952
Northern Indiana Pub. Serv. Co.	2,824	2,716	2,929	2,958	2,997
Public Service Co. of IN Inc.	3,885	3,702	3,633	3,532	3,363
Southern Indiana Gas & Elec. Co.	777	732	714	911	520

See footnotes at end of this table

Table 45. Expenditures for Research, Development, and Demonstration by Investor-Owned Electric Utility Within State, 1985 - 1989 (Continued)
(Thousand Dollars)

State and Utility	1985	1986	1987	1988	1989
IOWA					
Interstate Power Co.	942	875	835	853	822
Iowa Electric Light & Power Co.	1,164	1,051	997	52	54
Iowa Power & Light Co.	1,531	1,380	1,150	343	326
Iowa Public Service Co.	898	1,185	1,559	1,881	1,836
Iowa Southern Utilities Co.	489	382	362	393	381
Iowa Energy Gas & Electric Co.	1,330	1,302	1,152	1,183	1,263
KANSAS					
Center Corp.	0	0	0	0	0
Kansas Gas & Electric Co.	1,949	1,874	1,811	1,913	1,712
Kansas Power & Light Co.	1,865	1,867	1,819	1,801	1,739
KENTUCKY					
Kentucky Power Co.	183	250	228	188	285
Kentucky Utilities Co.	2,129	2,159	2,114	2,080	1,912
Louisville Gas & Electric Co.	0	52	21	58	14
Ohio Valley Transmission Co.	0	0	0	0	0
Union Light Heat & Power Co.	565	544	261	1	1
LOUISIANA					
Central Louisiana Elec. Co. Inc.	1,142	1,130	1,127	0	986
Louisiana Power & Light Co.	380	702	266	5,137	5,134
New Orleans Public Service Inc.	0	1	26	1,181	472
Southwestern Electric Power Co.	2,935	2,961	2,935	2,776	2,520
MAINE					
Bangor Hydro Electric Co.	0	0	0	0	0
Central Maine Power Co.	1,015	493	223	129	233
Maine Electric Power Co. Inc.	0	0	0	0	0
Maine Public Service Co.	52	15	37	37	44
Maine Yankee Atomic Power Co.	244	1,454	854	155	142
MARYLAND					
Baltimore Gas & Electric Co.	6,746	7,458	7,511	6,973	5,466
Potomac Edison Co.	673	580	684	636	664
MASSACHUSETTS					
Boston Edison Co.	3,358	3,420	3,424	3,332	2,595
Cambridge Electric Light Co.	503	475	516	193	254
Colonial Electric Co.	0	0	0	0	1
Commonwealth Electric Co.	3,417	3,136	1,004	808	643
Eastern Edison Co.	37	82	85	76	262
Fitchburg Gas & Elec. Light Co.	0	0	0	0	0
Holyoke Water Power Co.	44	49	77	62	83
Massachusetts Electric Co.	1,380	1,186	1,474	1,267	1,256
Milton Electric Co.	0	0	0	0	0
New England Power Co.	6,329	6,712	6,730	6,758	6,692
Western Massachusetts Elec. Co.	7,020	674	7,020	1,037	1,111
Yankee Atomic Electric Co.	575	644	855	297	0
MICHIGAN					
Consumers Power Co.	980	977	1,402	1,269	1,468
Detroit Edison Co.	458	1,301	2,176	2,182	3,987
Edison Sault Electric Co.	59	107	0	74	71
Michigan Power Co.	0	0	8	6	0
Upper Peninsula Power Co.	4	0	0	0	26
MINNESOTA					
Minnesota Power & Light Co.	1,821	1,595	673	798	1,760
Northern States Power Co.	6,869	6,754	7,922	6,486	6,380
Otter Tail Power Co.	76	443	73	213	563
MISSISSIPPI					
Mississippi Power & Light Co.	56	111	187	427	1,196
Mississippi Power Co.	2,198	2,081	2,040	2,335	2,091
System Energy Resources Inc.	0	0	0	0	0
MISSOURI					
Empire District Electric Co.	506	488	496	394	243
Kansas City Power & Light Co.	2,874	2,758	2,655	1,785	1,583

See footnotes A1 and B1 of this table.

Table 45. Expenditures for Research, Development, and Demonstration by Investor-Owned Electric Utility Within State, 1985 - 1989 (Continued)
(Thousand Dollars)

State and Utility	1989	1988	1987	1986	1985
St. Joseph Light & Power Co.	278	267	281	181	87
Union Electric Co.	7,378	7,106	6,808	7,311	7,103
Unicom Corp. Inc.	509	637	656	572	563
MONTANA					
Montana Power Co.	1,147	1,100	964	1,255	281
NEVADA					
Nevada Power Co.	1,484	1,427	1,370	1,332	1,221
Swamp Pacific Power Co.	1,293	1,225	1,170	1,046	1,118
NEW HAMPSHIRE					
James River N.Y. Electric Inc.	0	0	0	0	0
New England Electric Transmission Corp.	0	0	0	0	0
Public Service Co. of N.H.	2,054	2,527	5,428	2,239	1,762
NEW JERSEY					
Atlantic City Electric Co.	2,737	2,669	2,561	2,335	450
Jersey Central Power & Light Co.	8,548	11,749	3,880	1,373	2,600
Public Service Electric & Gas Co.	15,159	13,981	14,607	16,814	14,636
Rockland Electric Co.	996	0	0	0	0
NEW MEXICO					
Public Service Co. of NM	0	18	493	1,719	1,139
NEW YORK					
Central Hudson Gas & Elec. Corp.	3,215	2,935	3,016	4,126	3,631
Consolidated Edison Co. of N.Y. Inc.	25,413	32,492	28,444	30,658	28,480
Long Island Lighting Co.	4,052	4,043	5,812	4,434	3,782
Long Beach Inc.	0	0	0	0	0
New York State Elec. & Gas Corp.	10,274	11,427	10,784	11,970	10,710
Nippon Mohawk Power Corp.	14,435	10,638	18,367	30,470	25,598
Orange & Rockland Util. Inc.	2,672	2,571	3,319	2,833	2,359
Rockaway Gas & Electric Corp.	4,590	4,296	3,958	4,579	7,870
NORTH CAROLINA					
Carolina Power & Light Co.	8,805	8,887	8,878	8,875	9,248
Duke Power Co.	25,322	27,842	26,158	23,259	19,578
Norfolk Power & Light Co.	0	24	23	22	21
Hydrex Inc.	0	0	0	0	0
NORTH DAKOTA					
MTI Resources Group Inc.	0	19	427	438	403
OHIO					
Consumers Gas & Electric Co.	3,574	3,203	1,575	44	57
Cleveland Electric Illum. Co.	5,927	4,987	4,923	6,261	6,719
Columbus Southern Power Co.	729	455	397	311	352
C Dayton Power & Light Co.	4,115	388	417	63	671
Indiana Kentucky Electric Corp.	27	25	66	32	58
Ohio Edison Co.	5,109	5,160	5,486	5,370	5,519
Ohio Power Co.	28,957	28,893	18,565	9,713	2,422
Ohio Valley Electric Corp.	71	53	29	56	50
Tokyo Edison Co.	3,487	1,779	1,616	103	203
OKLAHOMA					
Oklahoma Gas & Electric Co.	4,198	4,039	4,091	3,940	3,681
Public Service Co. of Oklahoma	2,773	2,662	2,810	2,850	2,828
OKLAHOMA					
Rawlco Inc.	0	0	0	0	0
PacificCorp.	1,317	2,673	3,545	3,860	6,870
Potomac Electric Power Co.	485	397	3,155	3,322	3,201
Warm Springs Power Enterprises	0	0	0	0	0
PENNSYLVANIA					
Duquesne Light Co.	3,247	3,520	3,576	1,592	3,767
Metropolitan Edison Co.	3,340	1,434	1,773	726	695
Pennsylvania Electric Co.	3,778	5,858	2,498	2,799	1,920
Pennsylvania Power & Light Co.	7,588	8,724	10,376	9,415	7,543
Pennsylvania Power Co.	807	774	439	839	774
Philadelphia Electric Co.	2,759	3,570	11,349	7,810	3,859

See Appendix A and B of this table.

Table 45. Expenditures for Research, Development, and Demonstration by Investor-Owned Electric Utility Within State, 1985 - 1989 (Continued)
(Thousand Dollars)

State and Utility	1985	1986	1987	1988	1989
Idaho					
Idaho Water Power Corp.	0	0	0	0	0
Idaho Power Corp.	421	466	412	714	735
Idaho Corp.	0	0	0	0	0
West Power Corp.	1,079	344	1,120	1,283	1,179
Rocky Mountain Power Corp.	0	0	0	0	0
Illinois					
Blackstone Valley Electric Co.	0	0	14	18	115
Northwestern Electric Co.	379	621	544	589	586
Northwestern Electric Co.	66	110	41	92	0
Indiana					
Lockhart Power Co.	0	0	0	0	0
South Indiana Electric Co.	0	0	0	0	0
South Indiana Electric Co.	0	0	0	0	0
Iowa					
Black Hills Corp.	0	0	0	0	0
Northwestern Public Service Co.	190	190	194	194	20
Kansas					
Kingdom Power Co.	18	10	14	6	4
Kingdom Co.	0	0	0	0	0
Kentucky					
Central Power & Light Co.	4,482	2,475	3,350	3,400	3,117
El Paso Electric Co.	14	58	40	1	19
East States Electric Co.	0	0	63	116	5,121
Houston Lighting & Power Co.	14,967	14,405	15,169	14,482	14,077
Southwestern Electric Serv. Co.	0	0	0	0	1
Southwestern Public Service Co.	141	329	34	213	101
Texas Utilities Electric Co.	17,500	16,852	17,929	17,793	14,882
Texas-New Mexico Power Co.	0	25	156	142	124
West Texas Electric Co.	693	912	947	915	825
Louisiana					
Central Vermont Pub. Serv. Corp.	0	0	0	0	0
Green Mountain Power Corp.	1,086	568	373	553	414
Vermont Electric Power Corp.	0	0	0	0	0
Vermont Yankee Nuclear Corp.	0	0	0	0	0
Maine					
Appalachian Power Co.	1,363	1,441	1,184	769	1,163
Ingalls Electric & Power Co.	10,716	14,494	13,553	16,145	16,397
Massachusetts					
Puget Sound Power & Light Co.	3,954	3,922	3,851	3,793	3,410
Washington Water Power Co.	98	51	111	254	321
Michigan					
Monongahela Power Co.	645	567	608	775	657
Whiting Power Co.	12	12	8	1	9
Minnesota					
Consolidated Water Power Co.	0	0	0	0	0
Madison Gas & Electric Co.	715	358	724	688	664
Northern States Power Co.	1,221	1,246	1,423	1,146	1,157
Northwestern Wisconsin Elec. Co.	0	0	0	0	0
South Beloit Water Gas & Elec. Co.	0	0	0	0	0
Superior Water Light & Power Co.	97	94	0	0	89
Wisconsin Electric Power Co.	6,118	6,191	5,821	6,557	5,415
Wisconsin Power & Light Co.	2,076	1,091	1,729	1,628	1,685
Wisconsin Public Service Corp.	1,904	1,314	1,684	1,818	1,715
Wisconsin River Power Co.	0	0	0	0	0

Effective for the reporting year 1989, Pacific Power & Light Co. and Utah Power & Light Co. merged into the PacifiCorp.

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others.

Table 46. Investments in Environmental Protection by Investor-Owned Electric Utility Within State on December 31, 1989
(Thousand Dollars)

State and Utility	Air Pollution Control	Water Pollution Control	Fixed Waste Disposal	Noise Abatement Equipment	Effluents
Total	21,591,328	51,029,385	4,352,827	2,791,506	7,288,210
ALABAMA					
Alabama Power Co.	400,000	135,000	90,190	91	89,328
Southern Electric Generating Co.	38,000	2,182	0	0	0
ARIZONA					
Arizona Public Service Co.	607,763	146,208	424,542	1,211	53,894
Century Power Corp.	94,403	271,329	5,549	0	0
Tucson Electric Power Co.	3,833,100	63,715	7,537	2,093	69,154
ARKANSAS					
Arkansas Power & Light Co.	100	100	33	4	26
CALIFORNIA					
Pacific Gas & Electric Co.	369,480	253,000	42,999	3,000	883,000
San Diego Gas & Electric Co.	25,637	18,254	0	1,347	558,846
Southern California Edison Co.	367,617	165,114	203,572	9,767	1,849,541
COLORADO					
Public Service Co. of Colorado	229,610	45,635	2,061	0	165,902
CONNECTICUT					
Coquina Utilities Co.	0	79	23	25	332
Connecticut Light & Power Co.	10,421	18,385	2,598	90	2,503
Connecticut Yankee Atom. Pwr. Co.	42	1,219	0	102	7
Holyoke Power & Electric Co.	0	0	0	0	0
United Illuminating Co.	4,604	12,139	17,137	1,593	5,777
DELAWARE					
Delmarva Power & Light	155,400	27,521	35,376	1,596	9,087
DISTRICT OF COLUMBIA					
Potomac Electric Power Co.	223,918	60,691	21,298	61,032	670,208
FLORIDA					
Florida Power & Light Co.	985,227	524,107	21,681	44,983	8,212
Florida Power Corp.	244,931	133,004	3,388	4,053	526
Gulf Power Co.	121,811	55,943	40,711	541	690
Tampa Electric Co.	377,213	23,517	56,132	316	37
GEORGIA					
Georgia Power Co.	709,136	124,525	173,964	0	92,470
Savannah Electric & Power Co.	12,691	2,500	9,596	0	0
HAWAII					
Hawaiian Electric Co. Inc.	16,950	24,204	0	1,479	1,669
Mau Electric Co. Ltd.	0	0	0	0	0
IDAHO					
Idaho Power Co.	126,679	15,229	1,677	168	340
ILLINOIS					
Central Illinois Light Co.	71,004	21,370	20,100	32	30,160
Central Illinois Pub. Serv. Co.	237	25	16	0	1
Commonwealth Edison Co.	432,112	1,014,023	11,612	6,157	47,674
Electric Energy Inc.	20,852	0	1,247	0	0
Illinois Power Co.	227,953	422,321	95,128	195	5,084
Mt. Carmel Public Utility Co.	0	0	0	0	0
INDIANA					
Alcoa Generating Corp.	12,585	5,893	0	0	0
AEP Generating Co.	180	49	10	0	0
Commonwealth Edison Co. of IN Inc.	4,898	47,307	45	0	134
Indiana Michigan Power Co.	136	107	13	0	10
Indianapolis Power & Light Co.	264	89	40	0	15
Northern Indiana Pub. Serv. Co.	374,214	115,977	11,286	1,335	3,051
Public Service Co. of IN Inc.	153,561	22,572	31,123	1,251	101

See endnotes at end of this table.

Table 46. Investments in Environmental Protection by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

State and Utility	Water Pollution Control	Air Pollution Control	Total	Work in Progress
Total	100,000	100,000	200,000	100,000
ALABAMA				
Alabama Power Co.	10	10	20	10
Southern Electric Company			10	10
ARIZONA				
Arizona Public Service	100	100	200	100
Century Power Corp.			100	100
Tucson Electric Power			100	100
ARKANSAS				
Arkansas Power & Light			100	100
CALIFORNIA				
Pacific Gas & Electric Co.	100	100	200	100
San Diego Gas & Electric Co.	10	10	20	10
Southern California Edison Co.	10	10	20	10
COLORADO				
Public Service Co. of Colorado	10	10	20	10
CONNECTICUT				
Connecticut Light & Power Co.	10	10	20	10
Connecticut Yankee Atom. Pwr. Co.			10	10
Holyoke Power & Electric Co.	10	10	20	10
United Illuminating Co.	10	10	20	10
DELAWARE				
Delmarva Power & Light	10	10	20	10
DISTRICT OF COLUMBIA				
Potomac Electric Power Co.	10	10	20	10
FLORIDA				
Florida Power & Light Co.	10	10	20	10
Florida Power Corp.	10	10	20	10
Gulf Power Co.	10	10	20	10
Lamps Electric Co.	10	10	20	10
GEORGIA				
Georgia Power Co.	10	10	20	10
Savannah Electric & Power Co.	10	10	20	10
HAWAII				
Hawaiian Electric Co. Inc.	10	10	20	10
Mau Electric Co. Ltd.	10	10	20	10
IDAHO				
Idaho Power Co.	10	10	20	10
ILLINOIS				
Central Illinois Light Co.	10	10	20	10
Central Illinois Pub. Serv. Co.	10	10	20	10
Commonwealth Edison Co.	10	10	20	10
Electric Energy Inc.	10	10	20	10
Illinois Power Co.	10	10	20	10
Mt. Carmel Public Utility Co.	10	10	20	10
INDIANA				
Alcoa Generating Corp.	10	10	20	10
AMP Generating Co.	10	10	20	10
Commonwealth Edison Co. of IN Inc.	10	10	20	10
Indiana Michigan Power Co.	10	10	20	10
Indianapolis Power & Light Co.	10	10	20	10
Northern Indiana Pub. Serv. Co.	10	10	20	10
Public Service Co. of IN Inc.	10	10	20	10

See introductory page of this table.

Table 46. Investments in Environmental Protection by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

State and Utility	Air Pollution Control	Water Pollution Control	Solid Waste Disposal	Noise Abatement Equipment	Estimate
Southern Indiana Gas & Elec. Co.	32,346	28,746	14,944	0	76
IOWA					
Iowa State Power Co.	14,980	1967	4,497	20	50
Iowa Electric Light & Power Co.	11,812	14,121	30	89	104
Iowa Power & Light Co.	40,428	8,748	11,808	73	676
Iowa Public Service Co.	114,334	8,757	6,550	700	29,765
Iowa Southern Electric Co.	24,108	30	3,920	14	104
Iowa Utility Gas & Electric Co.	14,107	24,349	16,601	788	7,398
KANSAS					
Center Corp.	16,800	0	0	0	0
Kansas Gas & Electric Co.	147,077	147,217	150,497	0	15,160
Kansas Power & Light Co.	13,487	4,335	4,494	80	46,516
KENTUCKY					
Kentucky Power Co.	12,270	7,023	3,544	0	0
Kentucky Utility	740	28	28	0	0
Kentucky Gas & Electric Co.	28,234	12,547	40,810	19	5,910
Ohio Valley Transmission Co.	0	0	0	0	0
Ohio Light Heat & Power Co.	0	0	0	79	0
LouisIANA					
Central Louisiana Electric Co.	10,780	4,804	3,162	0	0
Louisiana Power & Light Co.	1434	7,717	474	0	25,387
New Orleans Public Service Co.	7000	1,041	317	0	24,637
Southwestern Electric Power Co.	44,137	11,470	26,377	307	490
MAINE					
Range Mills Electric Co.	7,444	140	0	380	79
Central Maine Power Co.	10,007	17,343	140	3,643	1,048
Maine Central Electric Co.	0	0	0	0	0
Maine Public Service Co.	100	124	11	140	0
Maine Maritime Electric Power Co.	177	17,430	7,328	11	347
MARYLAND					
Baltimore Gas & Electric Co.	744,410	189,541	17,928	4,871	129,736
Indemac Electric Co.	80,400	14,100	24,114	50	54,850
MASSACHUSETTS					
Boston Edison Co.	30,480	50,478	8,267	4,261	25,886
Cambridge Electric Light Co.	14,400	0	0	0	33
Central Electric Co.	10,407	1,644	7,330	267	27
Commonwealth Electric Co.	3,469	117	27	709	380
Eastern Edison Co.	0	0	0	0	0
Springfield Gas & Electric Light Co.	0	0	0	0	0
Worcester Water Power Co.	813	40	404	0	0
Massachusetts Electric Co.	1,000	0	967	14	10,954
Montpelier Electric Co.	10,490	1,063	0	383	4
New England Power Co.	118,854	12,744	24,638	643	3,508
Western Massachusetts Gas Light	1,114	184	125	15	477
Yankee Atomic Electric Co.	78	1,247	0	0	0
MICHIGAN					
Consumers Power Co.	160,427	228,494	80,710	695	27,596
Detroit Edison Co.	415,071	540,894	65,290	11,162	19,131
Edison Sault Electric Co.	0	0	0	0	0
Michigan Power Co.	0	0	0	0	0
Upper Peninsula Power Co.	1,637	124	16	100	0
MINNESOTA					
Minnesota Power & Light Co.	547,671	36,433	39,167	7,683	3,093
Northern States Power Co.	26,019	257	0	1,820	267
Otter Tail Power Co.	44,840	29,964	3,748	0	13,750
MISSISSIPPI					
Mississippi Power & Light Co.	26,712	27,963	3,431	0	0
Mississippi Power Co.	32,245	28,130	11,264	580	11,894

See endnotes at end of this table.

Table 46. Investments in Environmental Protection by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

State and Utility	Additional Plant Capacity	Miscellaneous Environmental Protection	Total	Construction Work in Progress
Southern Indiana Gas & Elec. Co.	0	0	140,729	841
IOWA				
Interstate Power Co.	559	0	52,062	0
Iowa Electric Light & Power Co.	2,755	29	54,300	1,631
Iowa Power & Light Co.	7,997	0	94,134	0
Iowa Public Service Co.	5,823	0	109,880	0
Iowa Southern Utilities Co.	1,171	24	24,454	0
Iowa Illinois Gas & Electric Co.	14,402	1,329	141,127	992
KANSAS				
Center Corp.	0	0	18,652	0
Kansas Gas & Electric Co.	5,007	0	449,204	423
Kansas Power & Light Co.	30,284	240	219,997	0
KENTUCKY				
Kentucky Power Co.	1,742	0	20,592	50
Kentucky Utilities Co.	0	0	191	2
Louisville Gas & Electric Co.	0	109	333,630	208,673
Ohio Valley Transmission Co.	0	0	0	0
Union Light Heat & Power Co.	0	0	85	0
LOUISIANA				
Central Louisiana Elec. Co. Inc.	0	13	50,764	211
Louisiana Power & Light Co.	0	0	31,639	0
New Orleans Public Service Inc.	0	0	28,221	0
Southwestern Electric Power Co.	0	3,561	160,908	0
MAINE				
Bangor Hydro Electric Co.	126	13	2,803	0
Central Maine Power Co.	915	3,398	36,956	520
Maine Electric Power Co. Inc.	0	0	0	0
Maine Public Service Co.	44	5	930	0
Maine Yankee Atomic Power Co.	0	0	17,808	286
MARYLAND				
Baltimore Gas & Electric Co.	261	1,288	482,318	103,511
Potomac Edison Co.	0	2,176	208,345	3,548
MASSACHUSETTS				
Boston Edison Co.	0	42,246	189,204	9,472
Cambridge Electric Light Co.	0	0	1,645	0
Canal Electric Co.	0	0	17,335	28,017
Commonwealth Electric Co.	0	0	2,224	0
Eastern Edison Co.	0	0	0	0
Fitchburg Gas & Elec. Light Co.	0	0	0	0
Holyoke Water Power Co.	0	3,359	4,294	0
Massachusetts Electric Co.	0	0	12,163	162
Montaup Electric Co.	26	3	55,049	21,669
New England Power Co.	0	13	210,242	6,624
Western Massachusetts Elec. Co.	0	12,322	16,125	1,143
Yankee Atomic Electric Co.	0	3,456	4,721	162
MICHIGAN				
Consumers Power Co.	13,460	8,509	497,487	6,262
Detroit Edison Co.	0	0	2,451,693	4,527
Edison Sault Electric Co.	0	0	0	0
Michigan Power Co.	0	5	11	0
Upper Peninsula Power Co.	0	47	1,924	0
MINNESOTA				
Minnesota Power & Light Co.	9,594	521	245,573	409
Northern States Power Co.	0	182	28,569	3
Otter Tail Power Co.	2,477	317	95,088	57
MISSISSIPPI				
Mississippi Power & Light Co.	0	735	54,281	14
Mississippi Power Co.	6,051	1,362	91,526	255

See endnotes at end of this table.

Table 46. Investments in Environmental Protection by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

State and Utility	Air Pollution Control	Water Pollution Control	Solid Waste Disposal	Noise Abatement Equipment	Esthetic
System Energy Resources Inc.	112,578	422,606	101,224	0	0
MISSOURI					
Empire District Electric Co.	13,579	387	3,172	211	13,234
Kansas City Power & Light Co.	141,377	183,478	158,333	648	99,542
St. Joseph Light & Power Co.	9,633	57	1,620	61	0
Union Electric Co.	261,805	305,943	30,876	2,970	179,306
UMKC Corp. United Inc.	25,675	4,571	4,378	743	10,338
MONTANA					
Montana Power Co.	97,099	72,429	44,301	2,600	2,854
NEVADA					
Nevada Power Co.	69,330	35,636	12,189	42	1,939
Sierra Pacific Power Co.	37,824	7,622	0	161	0
NEW HAMPSHIRE					
James River NH Electric Inc.	0	0	0	0	0
New England Electric Transmission Corp.	0	16	0	0	0
Public Service Co. of NH	36,952	13,245	3,357	1,348	17,911
NEW JERSEY					
Atlantic City Electric Co.	123,845	47,482	1,328	810	25,050
Jersey Central Power & Light Co.	137,662	110,745	17,679	2,316	1,987
Public Service Electric & Gas Co.	117,478	159,384	13,218	11,735	89,320
Rockland Electric Co.	0	0	0	0	0
NEW MEXICO					
Public Service Co. of NM	87,524	94,862	74	0	0
NEW YORK					
Central Hudson Gas & Elec. Corp.	45,928	39,303	20,992	764	14,537
Consolidated Edison Co. N.Y. Inc.	149,256	54,858	31,714	4,184	2,580,390
Long Island Lighting Co.	67,120	39,232	2,083	10,914	54,228
Long Sault Inc.	0	0	0	0	0
New York State Elec. & Gas Corp.	147,042	27,941	15,279	2,927	78,856
Niagara Mohawk Power Corp.	171,342	165,356	63,073	2,184	29,978
Orange & Rockland Util. Inc.	41,075	5,150	3,792	1,173	23,023
Rochester Gas & Electric Corp.	35,733	67,568	12,114	87	63,434
NORTH CAROLINA					
Carolina Power & Light Co.	761,575	844,842	371,630	3,698	62,365
Duke Power Co.	99,156	125,799	182,554	5,166	23,269
Nantahala Power & Light Co.	0	0	0	0	0
Wapack Inc.	0	0	0	0	0
NORTH DAKOTA					
MDU Resources Group Inc.	37,124	5,732	2,280	17	11,119
OHIO					
Geonath Gas & Electric Co.	180,655	55,185	57,597	2,542	2,489
Cleveland Electric Illum. Co.	550,293	318,842	32,654	22	14,074
Columbus Southern Power Co.	136,895	21,243	23,840	148	29,775
Dayton Power & Light Co.	117,304	51,765	47,719	902	9,462
Indiana Kentucky Electric Corp.	99,253	3,973	0	0	0
Ohio Edison Co.	704,246	145,081	124,063	797	6,347
Ohio Power Co.	384,880	73,714	60,894	606	595
Ohio Valley Electric Corp.	70,249	648	0	0	0
Toledo Edison Co.	275,432	83,744	29,465	273	9,262
OKLAHOMA					
Oklahoma Gas & Electric Co.	106,740	43,197	41,921	141	109,394
Public Service Co. of Oklahoma	137,034	30,797	611	1,399	21,614
OREGON					
Fake-Safe Inc.	0	0	0	0	0
PacificCorp.	634,724	60,341	96,577	188	47,545
Portland General Electric Co.	197,546	79,659	12,155	2,149	2,307

See endnotes at end of this table

Table 46. Investments in Environmental Protection by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

State and Utility	Additional Plant Capacity	Miscellaneous Environmental Protection	Total	Construction Work in Progress
System Energy Resources Inc.	0	0	636,407	844
MISSOURI				
Empire District Electric Co.	8,73	216	31,671	787
Kansas City Power & Light Co.	8,320	0	591,698	0
St. Joseph Light & Power Co.	0	0	11,837	0
Union Electric Co.	0	10,962	791,861	1,575
UMKC Corp. United Inc.	0	258	45,963	0
MONTANA				
Montana Power Co.	8,189	503	227,975	280
NEVADA				
Nevada Power Co.	1,494	503	121,117	184
Serra Pacific Power Co.	0	0	45,601	0
NEW HAMPSHIRE				
James River Nat. Electric Inc.	0	0	0	0
New England Electric Transmission Corp.	0	0	16	0
Public Service Co. of NH	2,124	5,591	80,529	447,036
NEW JERSEY				
Atlantic City Electric Co.	69	797	199,383	6,732
Jersey Central Power & Light Co.	128	7,416	277,732	4,189
Public Service Electric & Gas Co.	802	10,521	1,031,958	78,809
Rockland Electric Co.	0	0	0	196
NEW MEXICO				
Public Service Co. of NM	0	0	492,860	1,502
NEW YORK				
Central Hudson Gas & Electric Corp.	0	2,438	113,963	2,606
Consolidated Edison Co. of N.Y. Inc.	0	867	2,821,269	91,568
Long Island Lighting Co.	0	23,638	187,216	5,71,888
Long Sault Inc.	0	0	0	0
New York State Elec. & Gas Corp.	0	4,638	276,681	963,946
Niagara Mohawk Power Corp.	0	15,625	467,558	1,050
Orange & Rockland Co. Inc.	0	1,056	75,288	1,849
Rochester Gas & Electric Corp.	0	9,548	188,484	126
SOUTH CAROLINA				
Carolina Power & Light Co.	62,546	863	2,107,507	5,749
Duke Power Co.	3,246	2,741	441,930	36,171
North Carolina Power & Light Co.	0	0	0	0
Public Service Co. of SC	0	0	0	0
NORTH CAROLINA				
MDU Resources Group Inc.	441	319	57,032	1,187
OHIO				
Cincinnati Gas & Electric Co.	23,428	377	322,273	127,593
Cleveland Electric Illum. Co.	14,796	886	931,567	101,056
Columbus Southern Power Co.	15,134	2,030	229,066	80,374
Dayton Power & Light Co.	15,604	412	243,166	72,292
Indiana Kentucky Electric Corp.	0	0	103,227	3,317
Ohio Edison Co.	8,345	2,333	891,212	120,441
Ohio Power Co.	36,500	0	557,190	2,572
Ohio Valley Electric Corp.	0	0	70,898	3
Toledo Edison Co.	4,399	1,193	403,827	46,580
OKLAHOMA				
Oklahoma Gas & Electric Co.	10,595	5,412	317,400	140
Public Service Co. of Oklahoma	0	54,097	245,551	102
OREGON				
Fale-Safe Inc.	0	0	0	0
PacificCorp.	61,260	8,338	908,973	31,086
Portland General Electric Co.	8,177	17,469	319,460	600

See endnotes at end of this table.

Table 46. Investments in Environmental Protection by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

State and Utility	Air Pollution Control	Water Pollution Control	Solid Waste Disposal	Noise Abatement Equipment	Farmstead
Warm Springs Power Enterprises	0	0	0	0	0
PENNSYLVANIA					
Duquesne Light Co.	383,851	121,867	16,073	760	27,223
Metropolitan Edison Co.	151,374	125,935	1,569	509	87
Pennsylvania Electric Co.	254,622	51,855	972	358	424
Pennsylvania Power & Light Co.	189,180	121,332	69,542	2,257	14,760
Pennsylvania Power Co.	121,548	24,253	11,948	376	139
Philadelphia Electric Co.	908,968	253,571	36,990	2,165	10,140
Safe Harbor Water Power Corp.	0	79	0	0	0
Susquehanna Electric Co.	0	0	0	0	0
UOI Corp.	2,293	1,571	174	0	0
West Penn Power Co.	215,233	61,258	65,414	217	10,968
York Haven Power Co.	0	79	0	0	0
RHODE ISLAND					
Blackstone Valley Electric Co.	0	0	0	0	0
Narragansett Electric Co.	482	196	1,702	0	4,291
Newport Electric Corp.	0	0	0	0	0
SOUTH CAROLINA					
Lockhart Power Co.	0	0	0	0	0
South Carolina Electric & Gas Co.	69,608	11,254	4,140	0	0
South Carolina Utility Co. Inc.	18,656	4,307	0	0	0
SOUTH DAKOTA					
Black Hills Corp.	28,534	0	0	0	0
Northwestern Public Service Co.	17,347	72,780	2,967	27	112
TENNESSEE					
Kingsport Power	0	0	0	0	7,434
Tennessee	0	0	0	0	0
TEXAS					
Central Power & Light Co.	166,704	249,120	11,438	431	17,961
El Paso Electric Co.	177,780	12,897	123,780	0	0
Gulf States Utilities Co.	40	733	18	0	96
Industrial Lighting & Power Co.	0	0	0	0	0
Southwestern Electric & Power Co.	0	0	0	0	0
Southwestern Public Service	84,116	2,187	17,073	2,475	0
Texas Electric Co.	132,150	16,057	111,879	4,790	19,836
Texas-New Mexico Power Co.	0	0	0	0	0
West Texas Utilities Co.	153,730	12,703	4,387	54	687
VERMONT					
Central Vermont Light & Power Corp.	0	0	74	13	344
Green Mountain Power Corp.	0	67	0	40	834
Vermont Electric Power Corp.	0	0	0	0	1,059
Vermont Yankee Fuel Corp.	11,416	11,960	306	0	250
VIRGINIA					
Appalachian Power Co.	273,363	13,858	34,748	73	44,542
Virginia Electric & Power Co.	174,291	184,717	44,215	2,545	75,745
WASHINGTON					
Puget Sound Power & Light Co.	164,560	27,096	15,179	2,970	155,168
Washington Water Power Co.	53,098	4,075	1,379	46	5,486
WEST VIRGINIA					
Monongahela Power Co.	107,548	36,305	27,081	105	3,435
Wheeling Power Co.	0	284	0	0	0
WISCONSIN					
Consolidated Water Power Co.	6	0	0	0	0
Madison Gas & Electric Co.	19,432	4,687	2,917	0	0
Northern States Power Co.	26,049	251	0	1,820	267
Northwestern Wisconsin Elec Co.	0	0	0	0	0
South Beloit Water Gas & Elec Co.	0	0	0	0	701

See endnotes at end of this table.

Table 46. Investments in Environmental Protection by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

State and Utility	Additional Plant Capacity	Miscellaneous Environmental Protection	Total	Construction Work in Progress
Warm Springs Power Enterprise	0	1,744	1,744	0
PENNSYLVANIA				
Edison Electric Co.	45,299	1,500	636,963	2,779
Metropolitan Edison Co.	227	940	263,290	6,036
Pennsylvania Electric Co.	3,861	673	172,366	5,271
Pennsylvania Power & Light Co.	37,064	86,746	504,206	51,967
Pennsylvania Power Co.	1,276	356	161,697	19,633
Philadelphia Electric Co.	433	0	1,215,737	23,120
State Institute Water Power Corp.	0	1,626	506	0
Susquehanna Electric Co.	0	0	0	0
Union Corp.	0	0	3,430	206
West Penn Power Co.	0	2,922	355,496	1223
West Water Power Co.	0	0	19	0
PENNSYLVANIA				
Blackstone Valley Electric Co.	0	0	0	0
Northwestern Electric Co.	0	0	6,932	0
Newport Electric Corp.	0	0	0	0
POTOMAC				
Lockport Power Co.	0	0	9	0
South Potomac Electric & Water Co.	0	0	64,072	6,922
South Potomac Electric Co.	0	0	43,747	120
POTOMAC				
Black River Corp.	0	0	26,634	0
Northwestern Electric Co.	154	937	34,362	6,962
POTOMAC				
Kingsport Power Co.	0	0	1,440	117
Maple Corp.	0	0	0	0
TEXAS				
Central Power & Light Co.	0	960	610,448	0
El Paso Electric Co.	0	15,961	227,362	2,537
Fort Worth Electric Co.	0	0	271	1
Houston Lighting & Power Co.	0	4,555	3,989	0
Midland Electric Co.	0	0	0	0
Southwestern Electric Co.	0	0	120,366	6,490
Texas Electric Co.	5,137	580	636,673	944,366
Texas New Mexico Power Co.	0	0	0	0
West Texas Electric Co.	0	654	6,103	69
Vermont				
Central Vermont Electric Co.	0	0	956	0
Green Mountain Power Corp.	0	1,417	964	0
Vermont Electric Power Co.	0	0	3,353	0
Vermont Yankee Nuclear Corp.	0	143	34,632	0
VIRGINIA				
Appalachian Power Co.	69,473	146	493,627	1,225
Virginia Electric & Power Co.	0	56,754	76,240	96,606
WASHINGTON				
Puget Sound Power & Light Co.	6,479	10,653	377,505	103
Washington Water Power Co.	1,114	636	69,437	0
WEST VIRGINIA				
Monongahela Power Co.	0	2,522	176,997	1,451
Wheeling Power Co.	0	0	264	0
WISCONSIN				
Consolidated Water Power Co.	0	0	6	0
Madison Gas & Electric Co.	1,126	0	28,361	68
Northern States Power Co.	0	162	28,569	3
Northwestern Wisconsin Elec Co.	0	0	0	0
South River Water Gas & Elec Co.	0	0	701	0

See endnotes at end of this table.

Table 46. Investments in Environmental Protection by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

State and Utility	Air Pollution Control	Water Pollution Control	Solid Waste Disposal	Nuclear Abatement Equipment	Esthetic
Superior Water Light&Power Co.	464	14	473	0	0
Wisconsin Electric Power Co.	152,697	48,144	18,808	3,341	163,190
Wisconsin Power & Light Co.	70,485	13,494	17,376	205	95,160
Wisconsin Public Service Corp.	64,381	34,254	8,569	0	0
Wisconsin River Power Co.	0	0	0	0	0

See endnotes at end of this table.

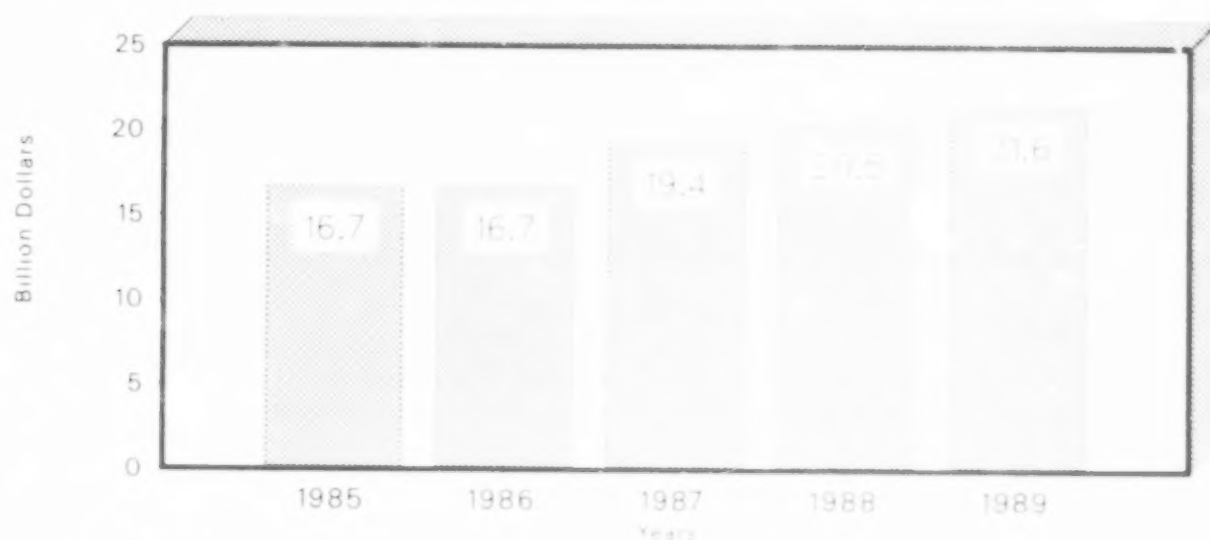
Table 46. Investments in Environmental Protection by Investor-Owned Electric Utility Within State on December 31, 1989 (Continued)
(Thousand Dollars)

State and Utility	Additional Plant Expenditures	Miscellaneous Environmental Protection	Total	Construction Work in Progress
Superior Water Light&Power Co.	0	0	951	0
Wisconsin Electric Power Co.	1,087	15	109,174	2,964
Wisconsin Power & Light Co.	2,400	0	149,106	3,141
Wisconsin Public Service Corp.	0	0	104,874	830
Wisconsin River Power Co.	0	0	0	0

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, 1991, Form 1 - Annual Report of Major Electric Utilities, Licensees, and Others.

Figure 12. Investments in Air Pollution Control for Investor-Owned Electric Utilities, 1985-1989



Note: The values for Investments in Air Pollution Control were 16,731,467,000 (1985), 16,734,068,000 (1986), 19,354,052,000 (1987), 20,471,183,000 (1988), and 21,581,928,000 (1989).
 Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Figure 13. Investments in Water Pollution Control for Investor-Owned Electric Utilities, 1985-1989



Note: The values for Investments in Water Pollution Control were 7,056,080,000 (1985), 6,912,598,000 (1986), 9,803,302,000 (1987), 10,602,932,000 (1988), and 11,124,380,000 (1989).
 Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 47. Expenditures for Environmental Protection by Investor-Owned Electric Utility Within State, 1989
(Thousand Dollars)

State and Utility	Depreciation Expenses	Labor, Maintenance, Materials, and Supplies	Operation of Facilities	Fly Ash and Sulfur Removal	Differences in Cost of Environmentally Clean Fuel
Total	651,921	970,398	50,467	166,987	935,111
ALABAMA					
Alabama Power Co.	0	10,621	0	7,656	0
Southern Electric Generating Co.	0	475	0	1,601	0
ARIZONA					
Arizona Public Service Co.	31,055	28,348	77	2,429	46
Gentry Power Corp.	6,436	1,780	3,317	642	0
Tucson Electric Power Co.	10,121	2,648	634	765	0
ARKANSAS					
Arkansas Power & Light Co.	0	0	0	0	0
CALIFORNIA					
Pacific Gas & Electric Co.	0	0	0	0	0
San Diego Gas & Electric Co.	0	560	368	0	0
Southern California Edison Co.	0	0	0	0	0
CONNECTICUT					
Public Service Co. of Conn.	0	4,180	779	2,367	207
DELAWARE					
Delaware Power & Light	0	0	0	0	0
DISTRICT OF COLUMBIA					
Power & Electric Power Co.	0	0	0	0	0
FLORIDA					
Florida Power & Light Co.	0	0	0	0	0
Florida Power Corp.	11,622	0	0	368	16,325
Fort Power Co.	8,263	3,154	1,780	2,073	6,054
Tampa Electric Co.	0	0	0	0	0
GEORGIA					
Georgia Power Co.	55,259	20,743	0	5,666	21,207
Savannah Electric & Power Co.	470	187	0	276	0
HAWAII					
Hawaiian Electric Co. Inc.	0	0	0	0	40,662
Mau Electric Co. Ltd.	0	0	0	0	0
IDaho					
Idaho Power Co.	0	4,616	484	1,232	0
ILLINOIS					
Central Illinois Light Co.	0	3,924	0	1,464	0
Central Illinois Pub. Serv. Co.	8,440	11,403	0	689	0
Commonwealth Edison Co.	56,258	88,799	1	0	190,622
Electric Energy Inc.	1,169	172	0	0	0
Illinois Power Co.	21,509	1,058	0	0	0
Mt. Carmel Public Utility Co.	0	0	0	0	0
INDIANA					
Aicpa Generating Corp.	1,026	1,609	0	0	0
AEP Generating Co.	0	0	0	0	0
Commonwealth Edison Co. of IN Inc.	2,290	448	0	0	7,146
Indiana Michigan Power Co.	0	0	0	0	0
Indianapolis Power & Light Co.	15,131	2,233	907	9,208	0

See endnotes at end of this table.

Table 47. Expenditures for Environmental Protection by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Table 47. Expenditures for Environmental Protection by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Utility Name	Investment Expenditure	Plant Maintenance and Support	Operation in Equation	Reg. and Inspection Expenditure	Other Expenditure on Environmentally Related Issues
VERMONT					
Green Mountain Power Corp.	0	1,000	0	1,000	0
Windsor Electric Light & Power	0	1,000	0	1,000	0
VIRGINIA					
Northwestern Electric Power	0	1,000	0	1,000	0
Southwestern Electric Power	0	1,000	0	1,000	0
Virginia Electric & Power	0	1,000	0	1,000	0
West Virginia Electric & Power	0	1,000	0	1,000	0
VIRGINIA					
Virginia Electric & Power	0	1,000	0	1,000	0
WASHINGTON					
Northwest Electric Power	0	1,000	0	1,000	0
Seattle City Light	0	1,000	0	1,000	0
WEST VIRGINIA					
West Virginia Electric & Power	0	1,000	0	1,000	0
WISCONSIN					
Wisconsin Electric Power	0	1,000	0	1,000	0
WYOMING					
Wyoming Electric & Power	0	1,000	0	1,000	0

See endnotes at end of this table.

Table 47. Expenditures for Environmental Protection by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

Table 47. Expenditures for Environmental Protection by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

State and utility	Depreciation Expenses	Labor, Maintenance, Materials, and Supplies	Operation of Facilities	Fly Ash and Sulphur Removal	Differences in Cost of Environmentally Clean Fuel
MISSISSIPPI					
Mississippi Power & Light Co.	2,271	507	0	0	0
Mississippi Power Co.	0	885	83	74	0
System Energy Resources Inc.	0	0	0	0	0
MISSOURI					
Empire District Electric Co.	0	16	0	1	0
Kansas City Power & Light Co.	0	1,852	38	976	736
St. Joseph Light & Power Co.	0	67	53	402	0
Union Electric Co.	0	0	0	0	0
Unicom United Inc.	0	0	0	0	0
MONTANA					
Montana Power Co.	0	165	0	4,607	0
NEVADA					
Nevada Power Co.	0	5,501	0	0	0
Sierra Pacific Power Co.	1,176	736	0	0	0
NEW HAMPSHIRE					
James River NH Electric Inc.	0	0	0	0	0
New England Electric Transmission Corp.	0	0	0	0	0
Public Service Co. of NH	4,808	2,240	0	0	0
NEW JERSEY					
Atlantic City Electric Co.	6,136	5,121	355	797	5,637
Jersey Central Power & Light Co.	6,316	0	0	0	0
Public Service Electric & Gas Co.	0	0	0	0	0
Rockland Electric Co.	0	754	25	132	0
NEW MEXICO					
Public Service Co. of NM	0	0	0	0	0
NEW YORK					
Central Hudson Gas & Elec. Corp.	0	0	0	0	0
Consolidated Edison Co. of NY Inc.	0	0	0	0	0
Long Island Lighting Co.	0	0	0	0	0
Long Sault Inc.	0	0	0	0	0
New York State Elec. & Gas Corp.	6,661	67,985	6,555	4,096	9,450
Niagara Mohawk Power Corp.	14	71	0	2	0
Orange & Rockland Utilities Inc.	0	0,986	81	322	0
Rochester Gas & Electric Corp.	0	0	0	0	94,773
NORTH CAROLINA					
Carolina Power & Light Co.	67,851	1,061	0	0	0
Duke Power Co.	0	0	0	0	0
Nantahala Power & Light Co.	0	0	0	0	0
Wachacon Inc.	0	0	0	0	0
NORTH DAKOTA					
MRI Resources Group Inc.	2,963	2179	0	0	0
OHIO					
Cincinnati Gas & Electric Co.	15,752	7,072	1,073	7,208	0
Cleveland Electric Illum. Co.	0	0	0	0	0
Columbus Southern Power Co.	7,403	1,871	33	12,359	15,476
Dayton Power & Light Co.	7,715	3,959	486	3,126	2,602
Indiana-Kentucky Electric Corp.	4,937	2,610	2,197	0	0
Ohio Edison Co.	29,500	23,544	80	3,160	27,579
Ohio Power Co.	0	0	0	0	0
Ohio Valley Electric Corp.	4,890	1,125	2,231	0	0
Toledo Edison Co.	0	0	0	0	0
OKLAHOMA					
Oklahoma Gas & Electric Co.	0	5,744	0	0	0

See endnotes at end of this table

Table 47. Expenditures for Environmental Protection by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

State and Utility	Replacement Power Costs	Taxes and Fees	Administrative and General	Other Environmental Protection Expenses	Total
MISSISSIPPI					
Mississippi Power & Light Co	0	515	0	0	3,292
Mississippi Power Co	0	0	0	3,954	4,996
System Energy Resources Inc	0	0	0	0	0
MISSOURI					
Empire District Electric Co	0	0	0	10	27
Kansas City Power & Light Co	0	0	0	0	5,604
St Joseph Light & Power Co	0	0	0	0	522
Union Electric Co	0	0	482	0	482
UtiliCorp United Inc	0	0	0	0	0
MONTANA					
Montana Power Co	0	1,178	0	0	6,710
NEVADA					
Nevada Power Co	0	0	0	0	5,504
Sierra Pacific Power Co	493	1	123	0	2,545
NEW HAMPSHIRE					
James River-NH Electric Inc	0	0	0	0	0
New England Electric Transmission Corp	0	0	0	0	0
Public Service Co of NH	0	1,429	0	387	6,563
NEW JERSEY					
Atlantic City Electric Co	41	0	79	1,370	17,445
Jersey Central Power & Light Co	0	231	585	0	9,132
Public Service Electric & Gas Co	0	0	0	0	0
Rockland Electric Co	0	0	1	35	946
NEW MEXICO					
Public Service Co of NM	0	0	0	0	0
NEW YORK					
Central Hudson Gas & Elec Corp	0	0	0	0	0
Consolidated Edison Co-NY Inc	0	0	0	0	0
Long Island Lighting Co	0	0	0	0	0
Long Sault Inc	0	0	0	0	0
New York State Elec & Gas Corp	4,968	0	1,442	0	43,763
Niagara Mohawk Power Corp	9	12	0	0	49
Orange & Rockland Utils Inc	0	0	2	81	2,853
Rochester Gas & Electric Corp	0	0	0	0	94,773
NORTH CAROLINA					
Carolina Power & Light Co	0	0	0	0	65,266
Duke Power Co	0	0	0	0	0
Nantahala Power & Light Co	0	0	0	0	0
Yadkin Inc	1	0	0	0	0
NORTH DAKOTA					
MDU Resources Group Inc	0	0	0	0	4,661
OHIO					
Cincinnati Gas & Electric Co	0	586	69	0	28,758
Cleveland Electric Illum Co	0	0	0	0	0
Columbus Southern Power Co	52	817	392	150	38,553
Dayton Power & Light Co	0	0	244	0	18,138
Indiana-Kentucky Electric Corp	138	1	23	956	10,921
Ohio Edison Co	2,179	475	0	0	86,516
Ohio Power Co	0	0	0	0	0
Ohio Valley Electric Corp	119	18	460	1,098	9,940
Toledo Edison Co	0	0	0	0	0
OKLAHOMA					
Oklahoma Gas & Electric Co	0	0	0	0	5,744

See endnotes at end of this table

Table 47. Expenditures for Environmental Protection by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

State and Utility	Depreciation Expense	Labor, Maintenance, Materials, and Supplies	Operation of Facilities	Fly Ash and Sulphur Removal	Differences in Cost of Environmentally Clean Fuel
Public Service Co of Oklahoma	0	0	0	0	0
OREGON					
Fair-Safe Inc	0	0	0	0	0
PacificCorp	13,058	15,159	2,478	8,510	0
Portland General Electric Co	0	0	0	0	0
Warm Springs Power Enterprises	36	0	0	0	0
PENNSYLVANIA					
Duquesne Light Co	15,185	17,788	695	6,431	0
Metropolitan Edison Co	0	0	0	0	0
Pennsylvania Electric Co	0	0	0	0	0
Pennsylvania Power & Light Co	0	13	0	2	0
Pennsylvania Power Co	4,590	3,464	427	585	0
Philadelphia Electric Co	48,365	54,447	4,057	6,766	27,822
Safe Harbor Water Power Corp	0	0	0	0	0
Susquehanna Electric Co	0	0	0	0	0
UGI Corp	129	217	0	220	0
West Penn Power Co	0	0	0	0	0
York Haven Power Co	0	0	0	0	0
RHODE ISLAND					
Blackstone Valley Electric Co	0	0	0	0	0
Narragansett Electric Co	0	19	0	0	0
Newport Electric Corp	0	0	0	0	0
SOUTH CAROLINA					
Lockhart Power Co	0	0	0	0	0
South Carolina Electric & Gas Co	0	656	0	848	0
South Carolina Generac Co Inc	0	85	0	418	0
SOUTH DAKOTA					
Black Hills Corp	1,009	0	213	70	0
Northwestern Public Service Co	1,026	457	134	397	0
TENNESSEE					
Kingsport Power Co	0	121	0	0	0
Tapoco Inc	0	0	0	0	0
TEXAS					
Central Power & Light Co	0	1,978	1	218	0
El Paso Electric Co	0	795	5	352	0
Gulf States Utilities Co	0	1,284	0	128	0
Houston Lighting & Power Co	0	0	0	0	0
Southwestern Electric Serv Co	0	0	0	0	0
Southwestern Public Service Co	0	0	0	0	0
Texas Utilities Electric Co	18,933	88,107	0	20,526	0
Texas-New Mexico Power Co	0	0	0	0	0
West Texas Utilities Co	0	0	0	0	0
VERMONT					
Central Vermont Pub. Serv. Corp	13	137	0	0	0
Green Mountain Power Corp	28	196	0	0	0
Vermont Electric Power Co Inc	0	0	0	0	0
Vermont Yankee Nucl. Pwr. Corp	528	2,458	0	0	0
VIRGINIA					
Appalachian Power Co	0	8,856	0	6	0
Virginia Electric & Power Co	0	0	0	0	0
WASHINGTON					
Puget Sound Power & Light Co	0	1,167	50	4,064	0
Washington Water Power Co	0	0	0	0	0
WEST VIRGINIA					
Monongahela Power Co	0	0	0	0	0

See endnotes at end of this table.

Table 47. Expenditures for Environmental Protection by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

State and Utility	Replacement Power Costs	Taxes and Fees	Administrative and General	Other Environmental Protection Expenses	Total
Public Service Co. of Oklahoma	0	0	0	0	0
OREGON					
Fair-Share Inc.	0	0	0	0	0
PacificCorp.	0	0	0	0	39,205
Portland General Electric Co.	0	0	0	0	0
Warm Springs Power Enterprises	0	0	0	0	36
PENNSYLVANIA					
Duquesne Light Co.	0	282	582	34,005	74,968
Metropolitan Edison Co.	0	305	0	0	305
Pennsylvania Electric Co.	0	0	0	0	0
Pennsylvania Power & Light Co.	0	0	1	1	17
Pennsylvania Power Co.	530	118	0	0	9,714
Philadelphia Electric Co.	5,058	7,816	219	0	154,550
Safe Harbor Water Power Corp.	0	0	0	0	0
Susquehanna Electric Co.	0	0	0	0	0
UGI Corp.	0	0	28	0	595
West Penn Power Co.	0	0	0	0	0
York Haven Power Co.	0	0	0	0	0
RHODE ISLAND					
Blackstone Valley Electric Co.	0	0	0	0	0
Narragansett Electric Co.	0	0	15	0	35
Newport Electric Corp.	0	0	0	0	0
SOUTH CAROLINA					
Lockhart Power Co.	0	0	0	0	0
South Carolina Electric & Gas Co.	2,295	0	0	0	3,799
South Carolina Gaseous Co. Inc.	751	0	0	0	1,254
SOUTH DAKOTA					
Black Hills Corp.	0	186	0	0	1,478
Northwestern Public Service Co.	158	309	0	0	2,480
TENNESSEE					
Kingsport Power Co.	0	0	0	0	121
Tapoco Inc.	0	0	0	0	0
TEXAS					
Central Power & Light Co.	0	106	320	0	2,623
El Paso Electric Co.	0	0	0	0	1,152
Gulf States Utilities Co.	0	275	0	0	1,687
Houston Lighting & Power Co.	0	0	0	0	0
Southwestern Electric Serv. Co.	0	0	0	12	12
Southwestern Public Service Co.	0	0	0	0	0
Texas Utilities Electric Co.	0	6,213	12,015	0	145,794
Texas-New Mexico Power Co.	0	0	0	0	0
West Texas Utilities Co.	0	0	0	0	0
VERMONT					
Central Vermont Pub. Serv. Corp.	0	12	70	0	233
Green Mountain Power Corp.	0	22	0	0	245
Vermont Electric Power Co. Inc.	0	0	0	0	0
Vermont Yankee Nucl. Pwr. Corp.	0	194	185	931	4,296
VIRGINIA					
Appalachian Power Co.	0	0	1,097	0	9,958
Virginia Electric & Power Co.	0	0	0	0	0
WASHINGTON					
Puget Sound Power & Light Co.	0	0	0	1,476	6,758
Washington Water Power Co.	0	0	0	0	0
WEST VIRGINIA					
Monongahela Power Co.	0	0	0	0	0

See endnotes at end of this table.

Table 47. Expenditures for Environmental Protection by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

State and Utility	Depreciation Expenses	Labor, Maintenance, Materials, and Supplies	Operation of Facilities	Fly Ash and Sulphur Removal	Differences in Cost of Environmentally Clean Fuel
Wheeling Power Co	7	81	0	0	0
WISCONSIN					
Consolidated Water Power Co	0	0	0	0	0
Madison Gas & Electric Co	0	0	0	0	0
Northern States Power Co	405	256	0	0	0
Northwestern Wisconsin Elec Co	0	0	0	0	0
South Beloit Water Gas&Elec Co	20	0	0	0	0
Superior Water Light&Power Co	0	0	0	0	0
Wisconsin Electric Power Co	6,428	9,021	1,997	5,889	0
Wisconsin Power & Light Co	5,063	2,043	61	124	316
Wisconsin Public Service Corp	0	0	0	0	0
Wisconsin River Power Co	0	0	0	0	0

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Table 47. Expenditures for Environmental Protection by Investor-Owned Electric Utility Within State, 1989 (Continued)
(Thousand Dollars)

State and Utility	Replacement Power Costs	Taxes and Fees	Administrative and General	Other Environmental Protection Expenses	Total
Wheeling Power Co	0	0	0	0	88
WISCONSIN					
Consolidated Water Power Co	0	0	0	0	0
Madison Gas & Electric Co	0	0	0	0	0
Northern States Power Co	0	0	0	0	662
Northwestern Wisconsin Elec Co	0	0	0	0	0
South Beloit Water Gas&Elec Co	0	0	0	0	20
Superior Water Light&Power Co	0	0	0	0	0
Wisconsin Electric Power Co	0	0	538	123	23,995
Wisconsin Power & Light Co	818	130	166	0	8,721
Wisconsin Public Service Corp	0	0	0	0	0
Wisconsin River Power Co	0	0	0	0	0

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Appendix A

Classifications of Investor-Owned Electric Utilities

Appendix A

Classifications of Investor-Owned Electric Utilities

Table A1. investor-Owned Electric Utilities Added and Deleted, 1985-1989

Year	Added		Deleted		Total Number Available
	No.	Name	No.	Name	
1985	6	AEP Generating Co Alamito Co James River-NH Electric Inc Middle South Energy Inc Ohio Valley Transmission Co South Carolina Generac Co Inc	1	Cliffs Electric Service Co	¹ 181
1986	.		.		¹ 181
1987	1	Golden Spread Electric Cooperative	1	Lake Superior District Pwr Co	² 181
1988	.		2	Florida Public Utilities Co Upper Peninsula Generating Co	² 179
1989	5	Fale-Safe Inc Long Sault Inc New England Electric Transmission Corp Rockland Electric Co PacifiCorp	2	Pacific Power & Light Co Utah Power & Light Co	² 182

¹ Excluded is Northeast Nuclear Energy Co whose data were not included to prevent double-counting of data for the Millstone Nuclear Plant which Northeast Nuclear Energy Co operates for Connecticut Light & Power Co and Western Massachusetts Elec Co.

² Excluded is Northeast Nuclear Energy Co whose data were not included to prevent double-counting of data for the Millstone Nuclear Plant which Northeast Nuclear Energy Co operates for Connecticut Light & Power Co and Western Massachusetts Elec Co. Also excluded is Golden Spread Electric Cooperative whose data were not included since they are classified as a cooperative on the Form EIA-861; however, the FERC has determined that Golden Spread Electric Cooperative should file a FERC Form 1 under Section 201 of the Federal Power Act.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Figure A1. Major and Nonmajor Investor-Owned Electric Utilities, 1989



¹ Excluded from the publication are Golden Spread Electric Cooperative and Northeast Nuclear Energy Company.
 Source: Federal Energy Regulatory Commission, FERC Form 1, 'Annual Report of Major Electric Utilities, Licensees and Others' and FERC Form 1F, 'Annual Report for Nonmajor Utilities and Licensees'.

Figure A2. Major Investor-Owned Electric Utilities Serving States, 1989



¹ Excluded from the publication are Golden Spread Electric Cooperative and Northeast Nuclear Energy Company which have only sales for resales.
 Source: Federal Energy Regulatory Commission, FERC Form 1, 'Annual Report of Major Electric Utilities, Licensees and Others' and FERC Form 1F, 'Annual Report for Nonmajor Utilities and Licensees'.

Table A2. Major and Nonmajor Classifications by Investor-Owned Electric Utility, 1985-1989

Investor-Owned Electric Utilities	State	States Served	1989	1988	1987	1986	1985
Ajo Improvement Co.	AZ	AZ	NM	NM	NM	NM	NM
Alabama Power Co.	AL	AL	M	M	M	M	M
Alaska Electric Light & Power Co.	AK	AK	NM	NM	NM	NM	NM
Alcoa Generating Corp.	IN	IN	M	M	M	M	M
Allegheny Generating Co.	MD		NM	NM	NM	NM	NM
Alpena Power Co.	MI	MI	NM	NM	NM	NM	NM
Appalachian Power Co.	VA	VA WV	M	M	M	M	M
Arizona Public Service Co.	AZ	AZ	M	M	M	M	M
Arkansas Power & Light Co.	AR	AR MO LA TN	M	M	M	M	M
Atlantic City Electric Co.	NJ	NJ	M	M	M	M	M
AEP Generating Co. ¹	IN		M	M	M	M	M
Baltimore Gas & Electric Co.	MD	MD	M	M	M	M	M
Bangor Hydro-Electric Co.	ME	ME	M	M	M	M	M
Black Hills Corporation ²	SD	SD WY MT	M	M	M	M	M
Blackstone Valley Electric Co.	RI	RI	M	M	M	M	M
Boston Edison Co.	MA	MA	M	M	M	M	M
Cambridge Electric Light Co.	MA	MA	M	M	M	M	M
Canal Electric Co.	MA		M	M	M	M	M
Carolina Power & Light Co.	NC	NC SC	M	M	M	M	M
Centel Corp.	KS	KS CO	M	M	M	M	M
Central Hudson Gas & Elec Corp.	NY	NY	M	M	M	M	M
Central Illinois Light Co.	IL	IL	M	M	M	M	M
Central Illinois Pub Serv Co.	IL	IL	M	M	M	M	M
Central Louisiana Elec Co Inc.	LA	LA	M	M	M	M	M
Central Maine Power Co.	ME	ME	M	M	M	M	M
Central Power & Light Co.	TX	TX	M	M	M	M	M
Central Vermont Pub Serv Corp.	VT	VT	M	M	M	M	M
Century Power Corp. ³	AL		M	M	M	M	M
Cheyenne Light Fuel & Power Co.	WY	WY	NM	NM	NM	NM	NM
Cincinnati Gas & Electric Co.	OH	OH	M	M	M	M	M
Citizens Electric Co.	PA	PA	NM	NM	NM	NM	NM
Citizens Utilities Co.	CT	AZ HI VT ID	M	M	M	M	M
Cleveland Electric Illum Co.	OH	OH	M	M	M	M	M
Columbus Southern Power Co. ⁴	OH	OH	M	M	M	M	M
Commonwealth Edison Co.	IL	IL	M	M	M	M	M
Commonwealth Edison Co Ind Inc.	IN		M	M	M	M	M
Commonwealth Electric Co.	MA	MA	M	M	M	M	M
Concord Electric Co.	NH	NH	NM	NM	NM	NM	NM
Connecticut Light & Power Co.	CT	CT	M	M	M	M	M
Connecticut Valley Elec Co Inc.	NH	NH	NM	NM	NM	NM	NM
Connecticut Yankee Atom Pwr Co.	CT		M	M	M	M	M
Conowingo Power Co.	MD	MD	NM	NM	NM	NM	NM
Consolidated Edison Co-NY Inc.	NY	NY	M	M	M	M	M
Consolidated Water Power Co.	WI		M	M	M	M	M
Consumers Power Co.	MI	MI	M	M	M	M	M
Dayton Power & Light Co.	OH	OH	M	M	M	M	M
Delmarva Power & Light Co.	DE	DE MD VA	M	M	M	M	M
Detroit Edison Co.	MI	MI	M	M	M	M	M
Duke Power Co.	NC	NC SC	M	M	M	M	M
Duquesne Light Co.	PA	PA	M	M	M	M	M
Eastern Edison Co.	MA	MA	M	M	M	M	M
Edison Sault Electric Co.	MI	MI	M	M	M	M	M
El Paso Electric Co.	TX	TX	M	M	M	M	M
Electric Energy Inc.	IL	KY	M	M	M	M	M
Empire District Electric Co.	MO	MO KS OK AR	M	M	M	M	M
Exeter & Hampton Electric Co.	NH	NH	NM	NM	NM	NM	NM
EUA Power Corp.	MA		NM	NM	NM	NM	NM
Fair-Safe Inc.	OR		M	NM	NM	NM	NM
Fitchburg Gas & Elec Light Co.	MA	MA	M	M	M	M	M
Florida Power & Light Co.	FL	FL	M	M	M	M	M
Florida Public Utilities Co.	FL	FL	**	**	M	M	M
Florida Power Corp.	FL	FL	M	M	M	M	M
Georgia Power Co.	GA	GA	M	M	M	M	M
Golden Spread Electric Cooperative	TX		M	M	M	M	M
Granite State Electric Co.	NH	NH	NM	NM	NM	NM	NM
Green Mountain Power Corp.	VT	VT	M	M	M	M	M
Gulf Power Co.	FL	FL	M	M	M	M	M
Gulf States Utilities Co.	TX	LA TX	M	M	M	M	M
Hawaii Electric Light Co Inc.	HI		NM	NM	NM	NM	NM

See endnotes at end of this table

Table A2. Major and Nonmajor Classifications by Investor-Owned Electric Utility, 1985-1989 (Continued)

Investor-Owned Electric Utilities	State	States Served	Gen	Trans	Gas	Water	Other
Hawaiian Electric Co Inc	HI	HI	M	M	M	M	M
Houma Power & Electric Co	CT	CT	M	M	M	M	M
Houma Water Power Co	MA	MA	M	M	M	M	M
Houston Lighting & Power Co	TX	TX	M	M	M	M	M
Idaho Power Co	ID	ID OR NV	M	M	M	M	M
Illinois Power Co	IL	IL	M	M	M	M	M
Indiana Michigan Power Co ¹	IN	IN MI	M	M	M	M	M
Indiana Kentucky Electric Corp	OH		M	M	M	M	M
Indianapolis Power & Light Co	IN	IN	M	M	M	M	M
Interstate Power Co	IA	IA MN IL	M	M	M	M	M
Iowa Electric Light & Power Co	IA	IA	M	M	M	M	M
Iowa Power & Light Co	IA	IA	M	M	M	M	M
Iowa Public Service Co	IA	IA SD	M	M	M	M	M
Iowa Southern Utilities Co	IA	IA	M	M	M	M	M
Iowa-Illinois Gas & Elec Co	IA	IA IL	M	M	M	M	M
James River-NH Electric Inc	NH	NH	M	M	M	M	M
Jersey Central Power&Light Co	NJ	NJ	M	M	M	M	M
Kansas City Power & Light Co	MO	MO KS	M	M	M	M	M
Kansas Gas & Electric Co	KS	KS	M	M	M	M	M
Kansas Power & Light Co	KS	KS	M	M	M	M	M
Kentucky Power Co	KY	KY	M	M	M	M	M
Kentucky Utilities Co	KY	KY TN	M	M	M	M	M
Kingsport Power Co	TN	TN	M	M	M	M	M
Lake Superior District Pwr Co	WI	WI				M	M
Lockhart Power Co	SC	SC	M	M	M	M	M
Long Island Lighting Co	NY	NY	M	M	M	M	M
Long Sault Inc	NY		M	NM	NM	NM	NM
Louisiana Power & Light Co	LA	LA	M	M	M	M	M
Louisville Gas & Electric Co	KY	KY	M	M	M	M	M
Madison Gas & Electric Co	WI	WI	M	M	M	M	M
Maine Electric Power Co Inc	ME		M	M	M	M	M
Maine Public Service Co	ME	ME	M	M	M	M	M
Maine Yankee Atomic Power Co	ME		M	M	M	M	M
Massachusetts Electric Co	MA	MA	M	M	M	M	M
Maur Electric Co Ltd	HI	HI	M	M	M	M	M
Metropolitan Edison Co	PA	PA	M	M	M	M	M
Michigan Power Co	MI	MI	M	M	M	M	M
Minnesota Power & Light Co	MN	MN	M	M	M	M	M
Mississippi Power & Light Co	MS	MS	M	M	M	M	M
Mississippi Power Co	MS	MS	M	M	M	M	M
Monongahela Power Co	WV	WV OH	M	M	M	M	M
Montana Power Co	MT	MT WY	M	M	M	M	M
Montaup Electric Co	MA		M	M	M	M	M
Mt Carmel Public Utility Co	IL	IL	M	M	M	M	M
MOU Resources Group Inc ²	ND	ND MT WY SD	M	M	M	M	M
Nantahala Power & Light Co	NC	NC	M	M	M	M	M
Nantucket Gas & Elec	MA	MA	NM	NM	NM	NM	NM
Narragansett Electric Co	RI	RI	M	M	M	M	M
Nevada Power Co	NV	NV	M	M	M	M	M
New England Electric Transmn Corp	NH		M	NM	NM	NM	NM
New England Power Co	MA	VT MA NH	M	M	M	M	M
New Orleans Public Service Inc	LA	LA	M	M	M	M	M
New York State Elec & Gas Corp	NY	NY	M	M	M	M	M
Newport Electric Corp	RI	RI	M	M	M	M	M
Niagara Mohawk Power Corp	NY	NY	M	M	M	M	M
North Central Power Co Inc	WI	WI	NM	NM	NM	NM	NM
Northeast Nuclear Energy Co	CT		M	M	M	M	M
Northern Indiana Pub Serv Co	IN	IN	M	M	M	M	M
Northern States Pwr Co-MN	MN	MN ND SD	M	M	M	M	M
Northern States Pwr Co WI ³	WI	WI MI	M	M	M	M	M
Northwestern Public Service Co	SD	SD	M	M	M	M	M
Northwestern Wisconsin Elec Co	WI	WI MN	M	M	M	M	M
Ohio Edison Co	OH	OH	M	M	M	M	M
Ohio Power Co	OH	OH	M	M	M	M	M
Ohio Valley Electric Corp	IN	OH	M	M	M	M	M
Ohio Valley Transmission Co	KY		M	M	M	M	M
Oklahoma Gas & Electric Co	OK	OK AR	M	M	M	M	M
Old Dominion Power Co	KY	VA	NM	NM	NM	NM	NM
Orange & Rockland Utilis Inc	NY	NY	M	M	M	M	M

See endnotes at end of this table.

**Table A2. Major and Nonmajor Classifications by
Investor-Owned Electric Utility, 1985-1989 (Continued)**

Investor-Owned Electric Utilities	State	States Served	1989	1988	1987	1986	1985
Little Rock Power Co.	MN	MN ND SD	M	M	M	M	M
Pacific Gas & Electric Co.	CA	CA	M	M	M	M	M
Pacific Power & Light Co.	OR	OR WY WA ID MT CA	M	M	M	M	M
PacificCorp*	OR	UT OR WY WA ID MT CA	M	M	M	M	M
Pennsylvania Electric Co.	PA	PA NY	M	M	M	M	M
Pennsylvania Power & Light Co.	PA	PA	M	M	M	M	M
Pennsylvania Power Co.	PA	PA	M	M	M	M	M
Philadelphia Electric Co.	PA	PA	M	M	M	M	M
Pike County Light & Power Co.	PA	PA	NM	NM	NM	NM	NM
Portland General Electric Co.	OR	OR	M	M	M	M	M
Potomac Edison Co.	MD	MD WV VA	M	M	M	M	M
Potomac Electric Power Co.	DC	MD DC	M	M	M	M	M
Public Service Co. of Colorado	CO	CO	M	M	M	M	M
Public Service Co. of Ind. Inc.	IN	IN	M	M	M	M	M
Public Service Co. of NH	NH	NH	M	M	M	M	M
Public Service Co. of NM	NM	NM	M	M	M	M	M
Public Service Co. of Oklahoma	OK	OK	M	M	M	M	M
Public Service Elec. & Gas Co.	NJ	NJ	M	M	M	M	M
Puget Sound Power & Light Co.	WA	WA	M	M	M	M	M
Rochester Gas & Electric Corp.	NY	NY	M	M	M	M	M
Rockland Electric Co.	NJ	NJ	M	NM	NM	NM	NM
Salt Harbor Water Power Corp.	PA	PA	M	M	M	M	M
San Diego Gas & Electric Co.	CA	CA	M	M	M	M	M
Savannah Electric & Power Co.	GA	GA	M	M	M	M	M
Sierra Pacific Power Co.	NV	NV CA	M	M	M	M	M
South Beloit Water Gas & Elec. Co.	WI	WI	M	M	M	M	M
South Carolina Elec. & Gas Co.	SC	SC	M	M	M	M	M
South Carolina Gen. & Elec. Co. Inc.	SC	SC	M	M	M	M	M
Southern California Edison Co.	CA	CA	M	M	M	M	M
Southern Electric Gen. & Elec. Co.	AL	AL	M	M	M	M	M
Southern Indiana Gas & Elec. Co.	IN	IN	M	M	M	M	M
Southwestern Electric Power Co.	LA	TX LA AR	M	M	M	M	M
Southwestern Electric Serv. Co.	TX	TX	M	M	M	M	M
Southwestern Public Service Co.	TX	TX OK KS	M	M	M	M	M
St. Joseph Light & Power Co.	MO	MO	M	M	M	M	M
Superior Water Light & Pwr. Co.	WI	WI	M	M	M	M	M
Susquehanna Electric Co.	PA	PA	M	M	M	M	M
System Energy Resources Inc.*	MS	MS	M	M	M	M	M
Tampa Electric Co.	FL	FL	M	M	M	M	M
Tapoco Inc.	TN	TN	M	M	M	M	M
Texas Utilities Electric Co.	TX	TX	M	M	M	M	M
Texas-New Mexico Power Co.	TX	TX NM	M	M	M	M	M
Toledo Edison Co.	OH	OH	M	M	M	M	M
Tucson Electric Power Co.	AZ	AZ	M	M	M	M	M
Union Electric Co.	MO	MO IL IA	M	M	M	M	M
Union Light Heat & Power Co.	KY	KY	M	M	M	M	M
United Illuminating Co.	CT	CT	M	M	M	M	M
Uniti Power Corp.	NH	NM	NM	NM	NM	NM	NM
Upper Peninsula Generating Co.*	MI	MI	M	M	M	M	M
Upper Peninsula Power Co.	MI	MI	M	M	M	M	M
Utah Power & Light Co.*	UT	UT ID WY	M	M	M	M	M
UtiliCorp United Inc.**	MO	MO WV	M	M	M	M	M
UGI Corp.	PA	PA	M	M	M	M	M
Vermont Electric Power Co. Inc.	VT	VT	M	M	M	M	M
Vermont Electric Trans. Co. Inc.	VT	VT	NM	NM	NM	NM	NM
Vermont Marble Co.	VT	VT	NM	NM	NM	NM	NM
Vermont Yankee Nucl. Pwr. Corp.	VT	VT	M	M	M	M	M
Virginia Electric & Power Co.	VA	VA NC WV	M	M	M	M	M
Warm Springs Power Enterprises	OR	OR	M	M	M	M	M
Washington Water Power Co.	WA	WA ID MT	M	M	M	M	M
West Penn Power Co.	PA	PA	M	M	M	M	M
West Texas Utilities Co.	TX	TX	M	M	M	M	M
Western Massachusetts Elec. Co.	MA	MA	M	M	M	M	M
Wheeling Power Co.**	WV	WV	M	M	M	M	M
Wisconsin Electric Power Co.	WI	WI MI	M	M	M	M	M
Wisconsin Power & Light Co.	WI	WI	M	M	M	M	M
Wisconsin Public Service Corp.	WI	WI MI	M	M	M	M	M
Wisconsin River Power Co.	WI	WI	M	M	M	M	M
Yadkin Inc.	NC	NC	M	M	M	M	M

See endnotes at end of this table.

Table A2. Major and Nonmajor Classifications by Investor-Owned Electric Utility, 1985-1989 (Continued)

Investor-Owned Electric Utility	1985	1986	1987	1988	1989
Marquette Atomic Electric Co.	MA	M	M	M	M
Northwestern Power Co.	U	M	M	M	M

Has acquired estimated 20 percent of the investment and 20 percent of additional power in the Bath County, Poland from Virginia Electric & Power Co. for 10 years. Has an option to purchase up to 50 percent after 10 years.

¹ Effective the financial statistics of Selected Electric Utilities (FSSEU) reporting year 1986, the company name changed from Big Rock Light & Power Co.

² Effective the FSSEU reporting year 1986, the company name changed from Alameda Co.

³ Effective the FSSEU reporting year 1987, the company name changed from Columbus & Southern Oh Elec. Co.

⁴ Effective the FSSEU reporting year 1987, the company name changed from Indiana & Michigan Electric Co.

⁵ Effective the FSSEU reporting year 1985, the company name changed from Montana-Dakota Utils. Co.

⁶ Effective the FSSEU reporting year 1987, Lake Superior District Power Co. merged into Northern States Power Co. WI.

⁷ Effective the FSSEU reporting year 1989, Pacific Power & Light Co. and Utah Power & Light Co. merged into the PacifiCorp.

⁸ Effective the FSSEU reporting year 1986, the company name changed from Middle South Energy, Inc.

⁹ Effective the FSSEU reporting year 1989, Upper Peninsula Generating Co. merged into Wisconsin Electric Power Co.

¹⁰ Effective the FSSEU reporting year 1985, the company name changed from Missouri Public Service Co.

¹¹ Effective the FSSEU reporting year 1987, the company name changed from Wheeling Electric Co.

Note: Identifying the classifications for privately owned electric utilities as follows:

M Major

NM Nonmajor

- Unclassified

* Not in existence

** Exempted, determined by FERC

Source: Federal Energy Regulatory Commission, FERC Form 1, Annual Report of Major Electric Utilities, Licensees and Others

Appendix B

Bond Ratings for Investor-Owned Electric Utilities

Appendix B

Bond Ratings for Investor-Owned Electric Utilities

Appendix B provides the Standard & Poor (S&P) bond ratings for 1985 through 1989, for the investor-owned electric utilities that file the FERC Form 1. The bond ratings reflect the evaluation of independent specialists on the ability of the electric utility to pay interest and principal on its bonds. The assessments consider the electric utility's operating efficiency, fuel/power supply, regulation, management, competition, long-term demand, construction, earnings, debt, cash flow, financial flexibility, and accounting quality.

As rated by S&P, the bond ratings of the individual electric utilities range from AAA to CCC-. The AAA is the highest rating assigned by S&P to a debt obligation and indicates an extremely strong capacity to pay principal and interest. Bonds rated AA qualify as high quality debt obligations and mean that the ability of the electric utility to pay interest is very strong. In general, AA bonds differ from AAA issues only in small degrees. Bonds rated A are issued to electric utilities with a strong ability to pay principal and interest, but are judged somewhat more susceptible to the adverse effects of changes in economic conditions. The BBB rated bonds reflect an adequate ability to pay principal and interest. Although bonds in the B category normally exhibit adequate risk protection, adverse economic conditions or changing circumstances are more likely to weaken the ability of the electric utility to pay principal and interest when its bonds are rated as a B category rather than an A category. The BB and B rated bonds are regarded as predominantly speculative with respect to the ability of the issuer to meet the terms of the obligation. The various C categories are regarded by the investment community as very speculative and would not be fit for sale to institutional investors. They indicate inadequate risk protection with adverse economic changes or changing circumstances weakening the ability to pay principle and interest. A rating of D indicates default on the payment of interest on its bonds (See Figure B1).

The bond rating is a valuable tool for gauging the financial prospects of an industry. Overall, corporate

bond ratings indicate credit strength, the ability to attract debt-financed capital, solvency, and the ability to repay creditors. Specifically, the ratings provide a way of estimating financial prospects for a utility on long-term debt issues (15 to 30 years) and are made against the backdrop of economic, financial, social, and political trends affecting an industry. Future economic conditions are considered, for example, as part of the assessment process for each individual company, as well as specific factors, such as earnings, electricity demand, and construction. Further, the electric utilities are evaluated on their financial prospects considering past performance, present problems and how they plan to deal with their problems.

The bond ratings for the 182 investor-owned electric utilities were compared for 1988 and 1989. The results of the comparison were divided into five categories: no change in bond rating, no new bonds issued, bond rating decreased, bond rating improved, and no bond rating was issued. These data showed that 93 electric utilities (51.1 percent) had no change in bond ratings, 20 electric utilities (11.0 percent) were not given ratings by S&P, 25 electric utilities (13.7 percent) had issued no bonds, 23 electric utilities (12.6 percent) had a decrease in their bond rating from 1988 to 1989, and 19 electric utilities (10.4 percent) had an improvement in their bond rating from the previous year. The bond ratings were further compared for trends. From 1985 to 1989, lower bond ratings occurred for 54 electric utilities (29.7 percent) while 33 electric utilities had higher bond ratings. In 1985, 34 electric utilities had a bond rating of AA, as compared to only 28 electric utilities in 1989. The number of electric utilities with a bond rating of A increased from 53 in 1985 to 54 in 1989. The number of electric utilities with a bond rating of BBB increased from 37 in 1985 to 47 in 1989. The increase in the number of BBB ratings resulted from those electric utilities in the lower rated BB or B categories. The one major change in the bond ratings has occurred for the Public Service Corporation of New Hampshire which moved from a default rating of "D" to the higher level of "CCC-" which is still indicative of a company whose bonds are very speculative.

Table B1. Summary of Bond Ratings for Investor-Owned Electric Utilities on December 31, 1985-1989

Ratings	1989	1988	1987	1986	1985
AAA+ to AAA-	1	1	1	1	1
AA+ to AA-	28	32	34	36	34
A+ to A-	54	49	49	54	53
BBB+ to BBB-	47	45	44	39	37
Below BBB-	7	8	8	6	10
Total Rated	137	135	136	136	135
No Bonds	25	25	25	25	25
No Rating	20	² 19	18	18	18
Total Majors	¹ 182	179	179	179	³ 178
Number Improved	19	14	5	25	15
Number Declined	23	16	24	13	12

¹ Pacific Power & Light Company and Utah Power & Light Company merged into the PacifiCorp. Fale-Safe Inc., Long Sault Inc., New England Elec Transmn Corp. and Rockland Electric Co were not major investor-owned electric utilities prior to 1989.

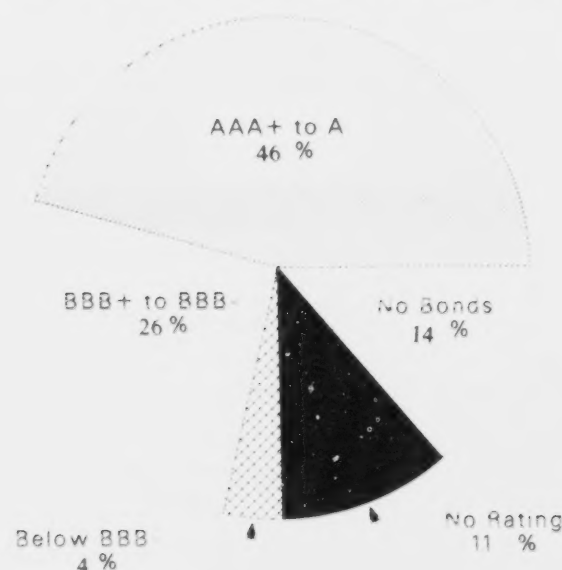
² Atlantic City Electric Company is included in this total as it was merged into Atlantic Energy, Inc.

³ No rating for System Energy Resources, Inc. as a new entity from the prior Middle South Energy, Inc.

Note: Data provided for respondents to Federal Energy Regulatory Commission FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Source: Standard & Poor's Utility Compustat II Services, Inc.

Figure B1. Bond Ratings for Investor-Owned Electric Utilities on December 31, 1989



Source: Standard & Poor's Utility II Service, Inc.

Table B2. Bond Ratings by Investor-Owned Electric Utility on December 31, 1985-1989

Utilities	S&P Bond Rating 1989	S&P Bond Rating 1988	S&P Bond Rating 1987	S&P Bond Rating 1986	S&P Bond Rating 1985
Alabama Power Co *	(2) A	(2) A	(2) A	(2) A	(2) A
Alamite Co	NR	NR	NR	NR	NR
Alcoa Generating Corp	NB	NB	NB	NB	NB
Appalachian Power Co *	A	A-	A	A	A
Arizona Public Service Co	BBB-	BBB-	BBB-	BBB-	BBB-
Arkansas Power & Light Co *	BBB	BB-	BB	BBB	BB-
Atlantic City Electric Co	A-	NR	A-	AA	AA
AEP Generating Co	NB	NB	NB	NB	NB
Baltimore Gas & Electric Co	AA	AA	AA	AA	AA
Bangor Hydro-Electric Co	NR	NR	NR	NR	NR
Black Hills Corporation	A-	A-	A-	A	A
Blackstone Valley Electric Co *	BBB	A-	A-	A	BBB-
Boston Edison Co	BBB-	BBB-	A-	A-	A-
Cambridge Electric Light Co	BBB-	BBB-	BBB-	A	A
Canal Electric Co	BBB-	BBB	BBB	A	A
Carolina Power & Light Co	A	A	A	A	A
Center Corp	NB	NB	NB	NB	NB
Central Hudson Gas & Elec Corp	BBB-	BBB-	BBB-	A	A
Central Illinois Light Co	AA	AA	AA	AA	AA
Central Illinois Pub Serv Co	AA-	AA-	AA-	AA-	AA-
Central Louisiana Elec Co Inc	A	A-	A-	A-	A-
Central Maine Power Co	BBB-	BBB-	BBB-	BBB-	BBB-
Central Power & Light Co *	A	A	A	A	A
Central Vermont Pub Serv Corp	BBB-	BBB-	BBB-	BBB	BBB
Cincinnati Gas & Electric Co	BBB-	BBB-	BBB	BBB	BBB
Citizens Utilities Co	AAA	AAA	AAA	AAA	AAA
Cleveland Electric Illum Co	BBB-	BBB-	BBB-	BBB-	BBB
Columbus Southern Power Co *	BBB	BBB-	BBB	BBB	BBB
Commonwealth Edison Co	BBB-	BBB-	BBB-	A	A
Commonwealth Edison Co Ind Inc	NB	NB	NB	NB	NB
Commonwealth Electric Co	BBB-	BBB-	BBB-	A	A
Connecticut Light & Power Co *	BBB-	BBB-	BBB-	BBB-	BBB-
Connecticut Yankee Atom Pwr Co	NR	NR	NR	NR	NR
Consolidated Edison Co-NY Inc	AA	AA	AA	AA	AA
Consolidated Water Power Co	NB	NB	NB	NB	NB
Consumers Power Co	BBB-	BBB-	BBB-	BB-	BB
Dayton Power & Light Co	BBB-	BBB-	BBB-	BBB-	BBB-
Delmarva Power & Light Co	A-	A-	A-	AA	AA
Detroit Edison Co	BBB	BBB	BBB	BBB	BBB
Duke Power Co	AA-	AA-	AA-	AA-	AA-
Duquesne Light Co	BBB	BBB	BBB	BBB	BBB-
Eastern Edison Co *	BBB-	BBB-	A-	A-	BBB-
Edison Sault Electric Co	NR	NR	NR	NR	NR
El Paso Electric Co	BB-	BBB-	BBB-	BBB	BBB-
Electric Energy Inc	NB	NB	NB	NB	NB
Empire District Electric Co	A-	A-	A-	A-	A-
Fair-Safe Inc	NR				
Fitchburg Gas & Elec Light Co	BBB	BBB-	BBB-	BB	B
Florida Power & Light Co	A-	AA-	AA-	AA-	AA-
Florida Power Corp	A-	A-	A-	A-	A-
Georgia Power Co *	BBB-	BBB	BBB	BBB-	BBB-
Green Mountain Power Corp	A-	A-	A-	A-	A-
Gulf Power Co *	A	A	A	A-	A-
Gulf States Utilities Co	BB-	B-	B-	B-	BBB
Hawaiian Electric Co Inc	A	A	A	A-	A-
Holyoke Power & Electric Co	NB	NB	NB	NB	NB
Holyoke Water Power Co *	NR	NR	NR	NR	NR
Houston Lighting & Power Co	BBB-	A	A-	A-	A-
Idaho Power Co	A-	A-	A-	A-	A-
Illinois Power Co	BBB	BBB-	BBB-	BBB-	A
Indiana Michigan Power Co *	BBB-	BBB	BBB-	BBB-	BBB-
Indiana Kentucky Electric Corp	NB	NB	NB	NB	NB
Indianapolis Power & Light Co	AA	AA	AA	AA	AA
Interstate Power Co	A-	A-	A-	A-	A-
Iowa Electric Light & Power Co	A	A	A	A	A
Iowa Power & Light Co	A	A	A-	A-	A
Iowa Public Service Co	A	A	A	AA	AA
Iowa Southern Utilities Co	AA	AA	AA	AA	AA
James River-NR Electric Inc	NB	NB	NB	NB	NB
Iowa-Illinois Gas & Elec Co	AA	AA	AA	AA	AA
Jersey Central Power & Light Co *	A	BBB-	BBB-	BBB-	BBB
Kansas City Power & Light Co	A	A-	BBB-	BBB-	BBB

See footnotes at end of table

**Table B2. Bond Ratings by Investor-Owned Electric Utility on
December 31, 1985-1989 (Continued)**

Utilities	S&P Bond Rating 1989	S&P Bond Rating 1988	S&P Bond Rating 1987	S&P Bond Rating 1986	S&P Bond Rating 1985
Kansas Gas & Electric Co.	BBB -	BBB	BBB	BBB	BBB
Kansas Power & Light Co.	AA	AA	AA	AA	AA
Kentucky Power Co. ¹	BBB -	BBB -	BBB	BBB	BBB
Kentucky Utilities Co.	AA	AA	AA	AA	AA
Kingsport Power Co. ²	NB	NB	NB	NB	NB
Lockhart Power Co.	NB	NB	NB	NB	NB
Long Island Lighting Co.	BB -	BB -	BB -	BB -	BB -
Long Sault Inc.	NR				
Louisiana Power & Light Co. ³	BBB	BB -	BB	BBB -	BB -
Louisville Gas & Electric Co.	AA	AA	AA	AA	AA
Madison Gas & Electric Co.	AA	AA	AA	AA	AA
Maine Electric Power Co. Inc.	NR	NR	NR	NR	NR
Maine Public Service Co.	NR	NR	NR	NR	NR
Maine Yankee Atomic Power Co.	A -	A	A	A	A
Massachusetts Electric Co. ⁴	A -	AA -	AA -	AA -	AA -
Maul Electric Co. Ltd.	NR	NR	NR	NR	NR
Metropolitan Edison Co. ⁵	A	BBB -	BBB -	BBB -	BBB
Michigan Power Co. ⁶	NB	NB	NB	NB	NB
Minnesota Power & Light Co.	A	A	A -	A -	A -
Mississippi Power & Light Co. ⁷	BBB	BB -	B	BBB -	BB -
Mississippi Power Co. ⁸	A -	A -	A -	A -	A
Monongahela Power Co. ⁹	AA	AA	AA	A -	A -
Montana Power Co.	BBB -	BBB -	BBB -	BBB -	BBB -
Montpelier Electric Co. ¹⁰	NR	NR	NR	NR	NR
Mt. Carmel Public Utility Co.	NB	NB	NR	NB	NB
MDU Resources Group Inc.	A	A	A	A	A
Nantahala Power & Light Co.	NB	NB	NB	NB	NB
Narragansett Electric Co. ¹¹	A -	AA -	AA -	AA -	A -
Nevada Power Co.	A	A -	A -	A -	BBB -
New England Elec. Transm. Corp.	NR				
New England Power Co.	A -	AA	AA	AA -	A -
New Orleans Public Service Inc. ¹²	B -	B	B	BBB -	BB -
New York State Elec. & Gas Corp.	BBB -	BBB	BBB -	BBB -	BBB -
Newport Electric Corp.	NR	NR	NR	NR	NR
Niagara Mohawk Power Corp.	BBB	BBB -	BBB	BBB	A -
Northern Indiana Pub. Serv. Co.	BBB -	BBB	BBB	A -	A -
Northern States Pwr. Co.-MN	AA	AA	AA -	AA -	AA -
Northern States Pwr. Co.-WI	AA	AA	AA -	AA -	AA -
Northwestern Public Service Co.	A -	A -	A -	A -	A
Northwestern Wisconsin Elec. Co.	NR	NR	NR	NR	NR
Ohio Edison Co.	BBB	BBB	BBB	BBB	BBB
Ohio Power Co. ¹³	A	A	A	A -	A -
Ohio Valley Electric Corp.	NB	NB	NB	NB	NB
Ohio Valley Transmission Co.	NB	NB	NB	NB	NB
Oklahoma Gas & Electric Co.	AA	AA	AA	AA	AA
Orange & Rockland Utils. Inc.	AA	AA	AA	AA	AA
Otter Tail Power Co.	A -	A -	A -	A -	A -
Pacific Gas & Electric Co.	A	A	A -	A -	A -
Pacific Power & Light Co.	A	A	A -	A -	A -
PacificCorp. ¹⁴	A				
Pennsylvania Electric Co. ¹⁵	A	A -	A -	A -	BBB -
Pennsylvania Power & Light Co.	A	A -	A -	A -	BBB -
Pennsylvania Power Co.	BBB	BBB	BBB	BBB	BBB
Philadelphia Electric Co.	BBB	BBB -	BBB -	BBB -	BBB -
Portland General Electric Co.	A	A	A	A	A
Potomac Edison Co. ¹⁶	AA	AA	AA	A -	A -
Potomac Electric Power Co.	AA	AA	AA	AA	AA
Public Service Co. of Colorado	BBB -	BBB -	BBB -	BBB -	A -
Public Service Co. of Ind. Inc.	BBB -	NR	NR	NR	NR
Public Service Co. of NH	CCC -	D	CCC	B -	B
Public Service Co. of NM	BB -	BBB	BBB	BBB -	A -
Public Service Co. of Oklahoma ¹⁷	A -	A -	AA -	AA -	AA
Public Service Elec. & Gas Co.	A	A -	A -	AA -	AA -
Puget Sound Power & Light Co.	A	A	A -	A -	BBB
Rochester Gas & Electric Corp.	BBB -	BBB -	BBB -	A -	A -
Rockland Electric Co.	AA				
Safe Harbor Water Power Corp.	NR	NR	NR	NR	NR
San Diego Gas & Electric Co.	A -	A -	A -	A -	A -
Savannah Electric & Power Co. ¹⁸	A	A	A	A -	A -
Sierra Pacific Power Co.	A	A	A	A -	BBB -
South Beloit Water Gas & Elec. Co.	NB	NB	NB	NB	NB
South Carolina Elec. & Gas Co.	A	A -	A -	A -	A -
South Carolina Generac Co. Inc.	NR	NR	NR	NR	NR

See footnotes at end of table

Table B2. Bond Ratings by Investor-Owned Electric Utility on December 31, 1985-1989 (Continued)

Utilities	S&P Bond Rating 1989	S&P Bond Rating 1988	S&P Bond Rating 1987	S&P Bond Rating 1986	S&P Bond Rating 1985
Southern California Edison Co	AA	AA	AA	AA	AA
Southern Electric Genaratg Co *	BBB	BBB	BBB	BBB	BBB
Southern Indiana Gas & Elec Co	AA	AA	AA	AA	AA
Southwestern Electric Power Co ¹	A	A	AA	AA	AA
Southwestern Electric Serv Co	NR	NR	NR	NR	NR
Southwestern Public Service Co	AA	AA	AA	AA	AA
St Joseph Light & Power Co	A	A	A	A	A
Superior Water Light & Pwr Co	NR	NR	NR	NR	NR
Susquehanna Electric Co	NB	NB	NB	NB	NB
System Energy Resources Inc ⁶	BB	BB	BB	BB	
Tampa Electric Co	AA	AA	AA	AA	AA
Tapoco Inc	NB	NB	NB	NB	NB
Texas Utilities Electric Co	BBB	BBB	BBB	BBB	A
Texas New Mexico Power Co	BBB	BBB	A	A	A
Toledo Edison Co	BBB	BBB	BBB	BBB	BB
Tucson Electric Power Co	BB	A	A	A	A
Union Electric Co	A	A	A	A	A
Union Light Heat & Power Co	BBB	BBB	BBB	BBB	BBB
United Illuminating Co	BBB	BBB	BBB	BBB	BB
UnitiCorp United Inc	BBB	BBB	BBB	BBB	BBB
Upper Peninsula Power Co	NR	NR	NR	NR	NR
Utah Power & Light Co		A	A	A	A
UGI Corp	A	A	BBB	BBB	BBB
Vermont Electric Power Co Inc	NR	NR	NR	NR	NR
Vermont Yankee Nucl Pwr Corp	A	A	A	A	A
Virginia Electric & Power Co	A	AA	A	A	A
Warm Springs Power Enterprises	NB	NB	NB	NB	NB
Washington Water Power Co	A	A	A	A	BBB
West Penn Power Co ¹	AA	AA	AA	AA	AA
West Texas Utilities Co ²	A	A	AA	AA	AA
Western Massachusetts Elec Co ³	BBB	BBB	BBB	BBB	BBB
Wheeling Electric Co ⁴	NB	NB	NB	NB	NB
Wisconsin Electric Power Co	AA	AA	AA	AA	AA
Wisconsin Power & Light Co	AA	AA	AA	AA	AA
Wisconsin Public Service Corp	AA	A	AA	AA	AA
Wisconsin River Power Co	NB	NB	NB	NB	NB
Yadkin Inc	NB	NB	NB	NB	NB
Yankee Atomic Electric Co	NB	NB	NB	NB	NB
York Haven Power Co	NB	NB	NB	NB	NB

¹ Electric utility is owned by the Allegheny Power System, a registered holding company

² Electric utility is owned by the American Electric Power, a registered holding company

³ Electric utility is owned by the Central & South West Corporation, a registered holding company

⁴ Electric utility is owned by the Eastern Utilities Associates, a registered holding company

⁵ Electric utility is owned by the General Public Utilities, a registered holding company

⁶ Electric utility is owned by the Entergy, a registered holding company

⁷ Electric utility is owned by the New England Electric System, a registered holding company

⁸ Electric utility is owned by the Northeast Utilities, a registered holding company

⁹ Electric utility is owned by The Southern Company, a registered holding company

¹⁰ Pacific Power & Light Co and Utah Power & Light Co merged into the PacifiCorp.

Note: NR - Standard & Poor's has not rated the bonds issued by this electric utility

NB - This electric utility has issued no bonds for long-term debt

Source: Standard & Poor's Utility Compustat II Services, Inc.

Appendix C

Technical Notes

Technical Notes

Sources of Data

The *Financial Statistics of Selected Investor-Owned Electric Utilities* (FSSEU) publication is prepared by the Electric Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels, Energy Information Administration (EIA), U.S. Department of Energy (DOE). Detailed financial data published in this publication are from two forms filed annually by electric utilities. The forms are the Federal Energy Regulatory Commission (FERC) Form 1, "Annual Report of Major Electric Utilities, Licensees and Others," and the Form EIA-861, "Annual Electric Utility Report". A brief summary of forms in this publication is presented below.

FERC Form 1

The FERC Form 1 is a mandatory annual survey of "major" investor-owned electric utilities. These electric utilities had, in each of the last 3 consecutive years, sales or transmission service that exceed one of the following: (1) One million megawatthours of total sales, (2) 100 megawatthours of sales for resale, (3) 500 megawatthours of gross interchange out, or (4) 500 megawatthours of wheeling for others (deliveries, plus losses). All major investor-owned electric utilities, licensees, or others subject to the Federal Power Act of 1935 must submit this form to FERC through the EIA. Classification of these entities is provided in FERC's Uniform System of Accounts Prescribed for Private Utilities and Licensees and subject to the provisions of the Federal Power Act. About 180 electric utilities are classified as major. Excluded from this publication are the Northeast Nuclear Energy Company, whose data were not included to prevent double-counting for the Millstone Nuclear Plant, which the Northeast Nuclear Energy Company operates for the Connecticut Light & Power Company and Western Massachusetts Electric Company, and the Golden Spread Electric Cooperative, whose data were not included, since it is classified as a cooperative on Form EIA-861. The FERC, however, has determined that Golden Spread Electric Cooperative should file a FERC Form 1 under Section 201 of the Federal Power Act.

The FERC Form 1 is used to collect data on income and earnings, taxes, depreciation and amortization, distribution of salaries and wages, electric operating revenues, electric maintenance expenses, generating plant statistics, planned construction data, year-end balance sheets, and general corporate information. Data are also required about electric plant cost and power production expenses for their hydroelectric plants with a generator nameplate capacity of 10 megawatts or larger; steam-electric plants with a generator nameplate capacity of 25 megawatts or more; and gas-turbine plants with a generator nameplate capacity of 10 megawatts or larger. Less detailed data are required for other plants.

Instrument and Design History. The Federal Power Commission (FPC) Form 1, the predecessor of the FERC Form 1, was implemented in 1935 by the FPC. When the FPC was merged with the DOE in October 1977, collection and processing of the forms data became the responsibility of the EIA. This mandatory survey is conducted in accordance with FERC's Uniform System of Accounts Prescribed for Private Utilities and Licensees.

Data Processing. Completed forms containing data for the preceding calendar year are returned to the EIA on or before April 30. Manual editing of data is completed before data entry. Deterministic and statistical checks of the data are made by computer. The computer program determines the presence of data in required fields. Statistical checks of the data are made on a range of values based on historical data values and logical or mathematical consistency. Discrepancies in the data, as a result of these checks, are resolved by the processing office or by information obtained from a telephone call to the respondent.

Uniformity of Treatment. The utilities' statements in this publication were uniformly treated for easy comparison of items (information). These statements were filed by all major investor-owned electric utilities that are subject to the accounting jurisdiction of the Federal Energy Regulatory Commission. The Uniform System of Accounts for electric utilities under the jurisdiction of the Federal Energy Regulatory Commission was prepared with the National Association of Regulatory Utility Commissioners. In all material respects, the Uniform System of Accounts conforms with the ap-

proved system of the National Association of Regulatory Utility Commissioners. The system was adopted by certain State commissions. The major investor-owned electric utilities are required to follow the Uniform System of Accounts. Individual electric utility data are listed by the State in which its corporate records are kept.

Presentation. No attempt has been made to consolidate (in the technical accounting sense) the accounts of the electric utilities included in the summary statements of this publication. The combined totals represent the arithmetic sum of all accounts as reported by the individual electric utilities. Consequently, duplications exist to a limited extent in the composite totals shown in several statements. For example, total assets and the totals for operating revenues and megawatt-hour sales include intercorporate sales. For this publication, investments in jointly owned subsidiaries are stated by the equity method of accounting.

As a result of mergers, consolidations, and property sales to public authorities, as well as the introduction of new electric utilities, the dollar figures in the financial statements of the same properties are not restated from year to year. The tables contain historical data for 1985 through 1989, representing aggregate financial statistics for investor-owned electric utilities classified as major that year. The number of investor-owned electric utilities that qualify as a major varies from year to year. Tables 12, 16, 17, 20, 22, and 25 report only 1988 and 1989 data.

Data on plant construction cost, production expenses, generating equipment characteristics, and other relevant operating data are in tabular form for publication. These data are published in the publication, *Electric Plant Cost and Power Production Expenses*.

Form EIA-861

The Form EIA-861 is a mandatory census of electric utilities in the United States, territories, and Puerto Rico. The survey is used to collect information on power production and sales data from 3,225 electric utilities in the United States and the District of Columbia (3,229 if the territories are included). Data collected are used to maintain and update the electric utility frame data base for the EIA. This data base supports queries from the Executive Branch, Congress, other public agencies, and the general public. Summary data from the Form EIA-861 are also contained in the *Electric Power Monthly*, the *Electric Power Annual*, the *Electric Sales, Revenue, and Bills*, and the *Annual Outlook for U.S. Electric Power*. These reports present aggregate

totals for electric utilities on a national level, by State, and by ownership type.

Instrument and Design History. The Form EIA-861 was implemented in January 1985 to collect data as of year-end 1984. The Federal Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Data Processing. The Form EIA-861 is mailed to the respondents in February to collect data of the preceding calendar year. The completed forms are returned to the EIA by May 1. Data are manually edited before being entered into the interactive on-line system. Internal edit checks are performed to verify that current data total across and between schedules, and are comparable to data reported the previous year. Edit checks are also performed to compare data reported on the Form EIA-861 and similar data reported on the Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions," the FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others," and the Form EIA-412, "Annual Report of Public Electric Utilities." These are utility-level checks. Respondents are called to clarify reported data and to obtain missing data.

Detailed comparisons and descriptions of conceptual problems affecting the quality of the data are discussed in the report, *An Assessment of the Quality of Selected EIA Data Series: Electric Power Data*. One example of such a problem inherent in data on electricity sales is that the sectoral classification scheme can vary from utility to utility, as influenced by the local public utility commission.

Quality of Data

The Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF) is responsible for routine data improvement and quality assurance. All operations at CNEAF are done in accordance with formal standards established by EIA. Data improvement efforts include verification of data-keyed input by automatic computerized methods, editing by subject matter specialists, and follow-up on nonrespondents. CNEAF reviews the structure of information requirements and proposed designs for new and revised data collection forms and systems. Once started, the performance of working data collection systems is also validated. Computerized respondent data files are checked to identify those which fail to respond to the survey. EIA tries to obtain required information by encouraging the cooperation of nonrespondents. By law, nonrespondents may be

¹The National Association of Regulatory Utility Commissioners includes members of the railroad, public utilities, and public service commissions of the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and the territory of the Virgin Islands. The following Federal regulatory agencies were also included: the Interstate Commerce Commission, the Federal Energy Regulatory Commission, the Federal Communication Commission, the Securities and Exchange Commission, and the Civil Aeronautics Board.

fined or penalized for not filing a mandatory EIA data form.

CNEAF screens forms for completeness, and keys the data onto computer tapes for storage. The data are transferred to random access data bases for computer processing. The information coded on the computer tapes is manually spot-checked against the forms to verify accuracy of the tapes. To ensure EIA quality standards, formulas using the past history of data values in the data base have been designed and implemented to automatically check data input for errors. Data values falling outside the ranges prescribed in the formulas are verified by telephoning respondents to resolve any discrepancies.

Conceptual problems affecting the quality of data are discussed in the report, *An Assessment of the Quality of Selected EIA Data Series: Electric Power Data*. This report is published by the Office of Statistical Standards in EIA.

Data Editing System

Data from the surveys are edited using automated systems. The edit includes deterministic and statistical checks; the deterministic part of the edit checks for the presence of required fields and their validity. Statistical checks use estimation techniques to validate data according to their behavior in the past and in comparison to other current fields.

Confidentiality of the Data

Data collected on the forms for this publication are not confidential.

Rounding Rules for Data

Given a number with r digits to the left of the decimal and $d + t$ digits in the fraction part, with d being the place to which the number is to be rounded and t being the remaining digits which will be truncated. This number is then rounded to $r + d$ digits by adding five to the $(r + d + 1)$ th digit when the number is positive or by subtracting five when the number is negative. The t digits are then truncated at the $(r + d + 1)$ th digit.

Data Correction and Revision Procedures

CNEAF has adopted the following policy for the revision and correction of data published in energy data reports and made available in a machine format:

- All data collected by this office (excluding secondary source data) will be published as preliminary data when it first appears in an energy data report.
- The next publication of the data will be in final form and the data base will be closed.
- Revisions or corrections will be made only in the event a substantial (greater than 1 percent) reporting change is received or a substantial error is discovered.
- Revisions or corrections to published secondary source data will be made if the organization from which the data were received revises or corrects the data.
- No revisions will be made without the approval of the Director, Electric Power Division.

The *Financial Statistics of Selected Investor-Owned Electric Utilities, 1989* presents the most current annual data available to the EIA. The data for the "Composite Statement of Cash Flows for Investor-Owned Electric Utilities, 1985-1989", Table 9, were revised for the years 1985 to 1988 in the "Composite Statement of Cash Flows for Privately Owned Electric Utilities, 1986-1988", Table 8, published in the *Financial Statistics of Selected Electric Utilities, 1988*. Table C1, "Comparison of Published Data in the Composite Statement of Cash Flows for Investor-Owned Electric Utilities, 1988," shows the percentage change. The estimated 1986 and 1987 data are based on the prior Statement of Change in Financial Position. The revised estimates for these 2 years include working funds and temporary cash investments with the cash and cash equivalent values. The 1988 data were revised based upon revised submissions by the investor-owned electric utilities. In 1988, the Statement of Cash Flows was required for the first time by the Federal Energy Regulatory Commission.

The data for the "Electric Energy Account for Investor-Owned Electric Utilities, 1985-1989", Table 29, were revised for the years 1986 to 1988 published in the *Financial Statistics of Selected Electric Utilities, 1988*. Table C2, "Comparison of Published Data on Electric Energy Account for Investor-Owned Electric Utilities, 1985-1989," shows the percentage change. The EIA has refined the editing procedures for verifying generation data by using the operation and maintenance expenses submitted by the respondents.

Table C1. Comparison of Published Data in the Composite Statement of Cash Flows for Investor-Owned Electric Utilities, 1988
(Thousand Dollars)

Item	Prior Published	Revised Published	Percent Change
1988			
Cash Flows From Investment Activities			
Gross Additions to Utility Plant (less Nuclear Fuel)	-22,805,868	-23,304,487	-2.1
Gross Additions to Nuclear Fuel	-1,580,290	-1,597,963	-1.1
Gross Addition to Nonutility Plant	-54,939	-56,939	-3.5
Less: AFUDC	-1,602,794	-1,602,392	*
Other	-164,931	-171,628	-3.9
Cash Outflows for Plant Investment in & Adv to Assoc & Sub Co	-23,579,183	-24,104,605	-2.2
Net Cash Provided by (used in) Investing Activities	-108,411	-108,469	-0.1
	-22,644,055	-23,169,535	-2.3
Cash Flows from Financing Activities			
Payment for Retirement of Long-term Debt	11,383,969	11,416,168	0.3
Net decrease in Short-term Debt	-3,073,125	-3,383,506	-10.1
Dividends on Preferred Stock	2,106,988	2,108,619	0.1
Dividends on Common Stock	13,114,858	13,224,859	0.8
Net Cash Provided by Financing Activities	-14,227,465	-14,681,677	-3.1
Net Increase(Decrease) in Cash and Cash Equivalents	-389,621	-1,369,313	-71.6
Cash and Cash Equivalents at End of Year	5,711,900	4,732,208	20.7
1987 Estimate			
Net (Increase) Decrease in Inventory	3,267,643	-273,908	-108.4
Net Inc (Dec) in Payables & Accrued Expense	-273,908	3,075,666	1222.9
Balance (changes in Financial Position)	-2,491,772	-2,195,300	11.9
Net Cash Provided by (Used in) Operating Activities	33,017,560	33,706,717	2.1
Net Increase (Decrease) in Cash and Cash Equivalents	-229,673	-421,650	-83.6
Cash and Cash Equivalents at Beginning of Year	574,296	6,460,316	1024.9
Cash and Cash Equivalents at End of Year	344,623	6,038,666	1652.3
1986 Estimate			
Net (Increase) Decrease in Inventory	2,644,238	153,712	-94.2
Net Inc (Dec) in Payables & Accrued Exp	153,712	2,351,531	1429.8
Balance (changes in Financial Position)	-1,454,652	-1,671,079	-14.9
Net Cash Provided by (Used in) Operating Activities	38,534,623	36,819,462	-4.5
Net Increase (Decrease) in Cash and Cash Equivalents	78,410	-214,297	-173.3
Cash and Cash Equivalents at Beginning of Year	495,886	6,674,313	1245.9
Cash and Cash Equivalents at End of Year	574,296	6,460,316	1024.9

* Value less than 0.1 percent

Source: Federal Energy Regulatory Commission, FERC Form 1 Annual Report of Major Electric Utilities, Licensees and Others

Table C2. Comparison of Published Data on Electric Energy Account for Investor-Owned Electric Utilities, 1985 - 1988
(Thousand Megawatthours)

Item	Prior Published	Revised Published	Percent Change
1988			
Generation (excluding station use)			
Steam	1,538,647	1,547,617	0.6
Nuclear	451,531	450,354	-3
Hydro-Conventional	54,979	52,709	-4.1
Hydro-Pumped Storage	13,908	13,536	-2.7
Other	21,517	16,366	-23.9
(less) Energy Used for Pumped Storage	18,701	18,701	0
Net Generation	2,061,882	2,061,882	0
1987			
Generation (excluding station use)			
Steam	1,489,342	1,497,877	6
Nuclear	394,271	394,271	0
Hydro-Conventional	63,353	61,231	-3.3
Hydro-Pumped Storage	12,588	12,446	-1.1
Other	19,087	12,816	-32.9
(less) Energy Used for Pumped Storage	16,752	16,752	0
Net Generation	1,961,889	1,961,889	0
1986			
Generation (excluding station use)			
Steam	1,435,651	1,444,572	6
Nuclear	356,859	356,859	0
Hydro-Conventional	77,139	74,819	-3.0
Hydro-Pumped Storage	13,014	12,943	-5
Other	17,808	11,278	-36.7
(less) Energy Used for Pumped Storage	17,538	17,538	0
Net Generation	1,882,933	1,882,933	0
1985			
Generation (excluding station use)			
Steam	1,448,073	1,457,273	6
Nuclear	333,321	331,753	-5
Hydro-Conventional	70,636	68,679	-2.8
Hydro-Pumped Storage	11,834	11,725	-9
Other	19,208	13,642	-29.0
(less) Energy Used for Pumped Storage	15,041	15,041	0
Net Generation	1,868,032	1,868,032	0

Note: Totals may not equal sum of components because of independent rounding.

Source: Federal Energy Regulatory Commission, FERC Form 1, "Annual Report of Major Electric Utilities, Licensees and Others."

Estimate of Statement of Cash Flows

On October 13, 1988, the FERC issued Order No. 505, Statement of Cash Flows to replace Statement of Changes in Financial Position in the FERC Form 1. The FERC did not require restatement of information from the prior years. For this publication, a set of historical Statements of Cash Flows for 1986 and 1987 was approximated, using the actual historical Statement of Changes in Financial Position and other historical financial statements. The new Statement of Cash Flows is intended to remove ambiguities and to obtain gross cash receipts and payments. The Statement of Changes in Financial Position shows only net changes. As a result, the Statement of Cash Flows requires more detail than provided in the Changes in Financial Position, and all details could not be approximated.

Changes in individual working capital accounts, not shown separately before, were taken from changes in the historical balance sheets. It was not possible for further breakdown of the working capital changes into cash flows from operation and into cash flows from investment activities. The cash and cash equivalents line was approximated with the cash account from the balance sheet, since cash equivalents historically were not shown. Line items from the historical Changes in Financial Position were used directly. Due to the approximations, a balancing line was added and is included under cash from operations. Revised estimates in the publication include working funds and temporary cash investments with the cash and cash equivalent values. Further information concerning the methodology used for these estimates may be obtained from Peter Holihan (202/254-5432).

Formulas and Calculations

Ratios Based on the Composite Statement of Income and Retained Earnings for Investor-Owned Electric Utilities

Electric Operating Revenues as a Percent of Total Operating Revenues

$$\frac{\sum(EOR_i)}{\sum(AUOR_i)} = 100, \quad (1)$$

where EOR_i is the Electric Operating Revenue for the i^{th} major utility, and $AUOR_i$ is the All Utility Operating Revenues for the i^{th} major utility.

Electric Operation and Maintenance Expenses as a Percent of Electric Operating Revenues

$$\frac{\sum(EOME_i)}{\sum(EOR_i)} = 100, \quad (2)$$

where $EOME_i$ is the Electric Operation and Maintenance Expenses for the i^{th} major utility; and, EOR_i is the Electric Operating Revenues for the i^{th} major utility.

Electric Depreciation and Amortization as a Percent of Electric Operating Revenues

$$\frac{\sum(EDA_i)}{\sum(EOR_i)} = 100, \quad (3)$$

where EDA_i is the Electric Depreciation and Amortization for the i^{th} major utility, and, EOR_i is the Electric Operating Revenues for the i^{th} major utility.

Federal Income Taxes-Electric as a Percent of Electric Operating Revenues

$$\frac{\sum(FITE_i)}{\sum(EOR_i)} = 100, \quad (4)$$

where $FITE_i$ is the Federal Income Taxes-Electric for the i^{th} major utility, and, EOR_i is the Electric Operating Revenues for the i^{th} major utility.

Other Taxes-Electric as a Percent of Electric Operating Revenues

$$\frac{\sum(TOIT_i + OIT_i)}{\sum(EOR_i)} = 100, \quad (5)$$

where $TOIT_i$ is Taxes Other than Income Taxes for the i^{th} major utility; OIT_i is the Other Income Taxes for the i^{th} major utility; and, EOR_i is the Electric Operating Revenues for the i^{th} major utility.

Provision for Deferred Taxes on Income as a Percent of Electric Operating Revenues

$$\frac{\sum(PDIT_i)}{\sum(EOR_i)} = 100, \quad (6)$$

where $PDIT_i$ is the Provision for Deferred Taxes on Income for the i^{th} , and, EOR_i is the Electric Operating Revenues for the i^{th} major utility.

Income Taxes Deferred in Prior Years (credit) as a Percent of Electric Operating Revenues

$$\frac{\sum (IDPY_i)}{\sum (EOR_i)} = 100, \quad (7)$$

where $IDPY_i$ is the Income Taxes Deferred in Prior Years (credit) for the i^{th} major utility, and, EOR_i is the Electric Operating Revenues for the i^{th} major utility.

Investment Tax Credit Adjustments (net) as a Percent of Electric Operating Revenues

$$\frac{\sum (ITC_i)}{\sum (EOR_i)} = 100, \quad (8)$$

where ITC_i is the Investment Tax Credit Adjustments (net) for the i^{th} major utility, and, EOR_i is the Electric Operating Revenues for the i^{th} major utility.

Total Electric Operating Expenses as a Percent of Electric Operating Revenues

$$\frac{\sum (TEOE_i)}{\sum (EOR_i)} = 100, \quad (9)$$

where $TEOE_i$ is the Total Electric Operating Expenses for the i^{th} major utility, and, EOR_i is the Electric Operating Revenues for the i^{th} major utility.

Net Electric Operating Income as a Percent of Electric Operating Revenues

$$\frac{\sum (NEOI_i)}{\sum (EOR_i)} = 100, \quad (10)$$

where $NEOI_i$ is the Net Electric Operating Income for the i^{th} major utility, and, EOR_i is the Electric Operating Revenues for the i^{th} major utility.

Preferred Stock Dividends Declared as a Percent of Operating Revenues

$$\frac{\sum (PSDD_i)}{\sum (AUOR_i)} = 100, \quad (11)$$

where $PSDD_i$ is the Preferred Stock Dividends Declared for the i^{th} major utility, and, $AUOR_i$ is the All Utility Operating Revenues for the i^{th} major utility.

Preferred Stock Average Dividend Rate

$$\frac{\sum (PSDD_i)}{\sum \frac{(PSI_B + PSI_E)}{2}} = 100, \quad (12)$$

where $PSDD_i$ is the Preferred Stock Dividends Declared for the i^{th} major utility, PSI_B is the Preferred Stock Issued for the beginning of the year, and, PSI_E is the Preferred Stock Issued for the end of the year. The average is calculated by dividing the sum by two.

Interest Coverage

$$\frac{\sum (NI_i)}{\sum (PSDD_i)} = 100, \quad (13)$$

where NI_i is the Net Income for the i^{th} major utility, and, $PSDD_i$ is the Preferred Stock Dividends Declared for the i^{th} major utility.

Common Stock Dividends as a Percent of Operating Revenues

$$\frac{\sum (CSDD_i)}{\sum (AUOR_i)} = 100, \quad (14)$$

where $CSDD_i$ is the Common Stock Dividends Declared for the i^{th} major utility, and, $AUOR_i$ is the All Utility Operating Revenues for the i^{th} major utility.

Percent of Earnings Available for Common Stock

$$\frac{\sum (CSDD_i)}{\sum (NI_i - PSDD_i)} = 100, \quad (15)$$

where $CSDD_i$ is the Common Stock Dividends Declared for the i^{th} major utility, NI_i is the Net Income for the i^{th} major utility, and, $PSDD_i$ is the Preferred Stock Dividend Declared for the i^{th} major utility.

Percent of Average Common Equity as Common Stock Dividends Appropriation

$$\frac{\sum (CSDD_i)}{\sum \frac{(TPC_B + TPC_E) - (PSI_B + PSI_E)}{2}} = 100, \quad (16)$$

where $CSDD_i$ is the Common Stock Dividends Declared for the i^{th} major utility, TPC_B is the Total Proprietary Capital for the beginning of the year for the i^{th} major utility, TPC_E is the Total Proprietary Capital for the end of the year for the i^{th} major utility, PSI_B is the Preferred Stock Issued for the beginning of the

year, and, PSI_i is the Preferred Stock Issued for the end of the year for the i^{th} major utility. An average is calculated by dividing the sum by two.

Interest in Long-term Debt as a Percent of Total Operating Revenues

$$\frac{\sum (ILTD_i)}{\sum (AOR_i)} \times 100 \quad (17)$$

where $ILTD_i$ is the interest on Long-term Debt for the i^{th} major utility, and, AOR_i is the All Utility Operating Revenues for the i^{th} major utility.

Average Interest Rate on Long-term Debt

$$\frac{\sum (ILTD_i)}{\sum \frac{(ILTD_{B_i} + ILTD_{E_i})}{2}} \times 100 \quad (18)$$

where $ILTD_i$ is the Interest on Long-term Debt for the i^{th} major utility, $ILTD_{B_i}$ is the Total Long-term Debt for the beginning of the year, and, $ILTD_{E_i}$ is the Total Long-term Debt for the end of the year.

Net Income Divided by Operating Revenues (Profit Margin)

$$\frac{\sum (NI_i)}{\sum (AOR_i)} \quad (19)$$

where NI_i is the Net Income for the i^{th} major utility, and, AOR_i is the All Utility Operating Revenues for the i^{th} major utility.

Composite Financial Indicators for Investor-Owned Electric Utilities

Electric Fixed Asset (Net Plant) Turnover

$$\frac{\sum (EOR_i)}{\sum (U_i)} \quad (20)$$

where EOR_i is the Electric Operating Revenues for the i^{th} major utility, and, U_i is the Electric Utility Plant - Net for the i^{th} major utility.

Total Asset Turnover

$$\frac{\sum (OR_i)}{\sum (TA_i)} \quad (21)$$

where OR_i is the Operating Revenues for the i^{th} major utility, and, TA_i are the Total Assets for the i^{th} major utility.

Electric Utility Plant per Dollar of Revenue

$$\frac{\sum (TEUP_i + NF_i)}{\sum (EOR_i)} \quad (22)$$

where $TEUP_i$ is the Total Electric Utility Plant of the i^{th} major utility, NF_i is the Nuclear Fuel of the i^{th} major utility, and, EOR_i is the Electric Operating Revenues of the i^{th} major utility.

Other Utility Plant per Dollar of Revenue

$$\frac{\sum (TOUP_i)}{\sum (GOR_i + O'OR_i)} \quad (23)$$

where $TOUP_i$ is the Total Other Utility Plant of the i^{th} major utility, GOR_i is the Gas Operating Revenues for the i^{th} major utility, and, $O'OR_i$ is the Other Utility Operating Revenues for the i^{th} major utility.

Total Utility Plant per Dollar of Revenue

$$\frac{\sum (TAUP_i)}{\sum (AOR_i)} \quad (24)$$

where $TAUP_i$ is the Total All Utility Plant for the i^{th} major utility, and, AOR_i is the All Utility Operating Revenues for the i^{th} major utility.

Total Electric Plant to Total Assets

$$\frac{\sum (TEUP_i)}{\sum (TA_i)} \quad (25)$$

where $TEUP_i$ is the Total Electric Utility Plant for the i^{th} major utility, and, TA_i is the Total Assets for the i^{th} major utility.

Net Electric Plant to Total Assets

$$\frac{\sum (NEUP_i)}{\sum (TA_i)} \quad (26)$$

where NEP_i is the Net Electric Plant for the i^{th} major utility; and, TA_i is the Total Assets for the i^{th} major utility.

Utility Operating Revenue as a Percent of Total Assets and Other Debits

$$\frac{\sum(UOR_i)}{\sum(TA_i)} \times 100, \quad (27)$$

where UOR_i is the Utility Operating Revenue for the i^{th} major utility; and, TA_i is the Total Assets for the i^{th} major utility.

All Utility Depreciation and Amortization to Total All Utility Plant

$$\frac{\sum(AUDE_i + AUAE_i)}{\sum(TAUP_i)} \quad (28)$$

where $AUDE_i$ is the All Utility Depreciation Expense for the i^{th} major utility; $AUAE_i$ is the All Utility Amortization Expense for the i^{th} major utility; and, $TAUP_i$ is the Total All Utility Plant for the i^{th} major utility.

Current Assets to Current Liabilities

$$\frac{\sum(CAA_i)}{\sum(CAL_i)} \quad (29)$$

where CAA_i are the Current and Accrued Assets for the i^{th} major utility; and, CAL_i are the Current and Accrued Liabilities for the i^{th} major utility.

Long-term Debt to Capitalization

$$\frac{\sum(LTD_i)}{\sum(C_i)} \times 100, \quad (30)$$

where LTD_i is the Long-term Debt for the i^{th} major utility; and, C_i is the Capitalization for the i^{th} major utility.

Preferred Stock to Capitalization

$$\frac{\sum(PS_i)}{\sum(C_i)} \times 100, \quad (31)$$

where PS_i is the Preferred Stock for the i^{th} major utility; and, C_i is the Capitalization for the i^{th} major utility.

Common Stock and Paid-in Capital to Capitalization =

$$\frac{\sum(IPC_i - PSI_i - RE_i - UUSE_i)}{\sum(C_i)} \times 100, \quad (32)$$

where IPC_i is the Total Proprietary Capital; PSI_i is the Preferred Stock Issued for the i^{th} major utility; RE_i is the Retained Earnings for the i^{th} major utility; $UUSE_i$ is the Unappropriated Undistributed Subsidiary Earnings for the i^{th} major utility; and, C_i is the Capitalization for the i^{th} major utility.

Retained Earnings to Capitalization =

$$\frac{\sum(RE_i + UUSE_i)}{\sum(C_i)} \times 100, \quad (33)$$

where RE_i is the Retained Earnings for the i^{th} major utility; $UUSE_i$ is the Unappropriated Undistributed Subsidiary Earnings for the i^{th} major utility; and, C_i is the Capitalization for the i^{th} major utility.

Common Equity as a Percent of Total Capitalization (Average)

$$\frac{\frac{(IPC_B + IPC_E) - (PSI_B + PSI_E)}{2}}{\frac{(IPC_B + IPC_E) + (LTD_B + LTD_E)}{2}} \times 100, \quad (34)$$

where IPC_B is the Total Proprietary Capital for the beginning of the year for the i^{th} major utility; IPC_E is the Total Proprietary Capital for the end of the year for the i^{th} major utility; PSI_B is the Preferred Stock Issued for the beginning of the year for the i^{th} major utility; PSI_E is the Preferred Stock Issued for the end of the year for the i^{th} major utility; LTD_B is the Total Long-term Debt for the beginning of the year for the i^{th} major utility; and, LTD_E is the Total Long-term Debt for the end of the year for the i^{th} major utility. An average year's balance is calculated by dividing the sum by two. Capitalization is the sum of an average year's balance of $(IPC + LTD) / 2$.

Short-term Debt to Capitalization =

$$\frac{\sum(STD_i)}{\sum(C_i + STD_i)} \quad (35)$$

where SID_i is the Short-term Debt for the i^{th} major utility, and, C_i is the Capitalization for the i^{th} major utility.

Long-term Debt to Capitalization

$$\frac{\sum(LID_i)}{\sum(C_i + SID_i)} \quad (36)$$

where LID_i is the Long-term Debt for the i^{th} major utility, C_i is the Capitalization for the i^{th} major utility, and, SID_i is the Short-term Debt for the i^{th} utility.

Preferred Stock to Capitalization

$$\frac{\sum(PSI_i)}{\sum(C_i + SID_i)} \quad (37)$$

where PSI_i is the Preferred Stock Issued for the i^{th} major utility, C_i is the Capitalization for the i^{th} major utility, and, SID_i is the Short-term Debt of the i^{th} major utility.

Common Equity to Capitalization

$$\frac{\sum(TPC_i - PSI_i)}{\sum(C_i + SID_i)} \quad (38)$$

where TPC_i is the Total Proprietary Capital for the i^{th} major utility, PSI_i is the Preferred Stock Issued for the i^{th} major utility, C_i is the Total Capitalization for the i^{th} major utility, and, SID_i is the Short-term Debt of the i^{th} major utility.

Internally Generated Funds to Construction Expenditures

$$\frac{\sum\left(\frac{NI_i + DA_i + DIIC_i}{+ OPNC_i + ACC_i + DD_i}\right)}{\sum(CE_i)} \quad (39)$$

where NI_i is Net Income of the i^{th} major utility; DA_i is the Depreciation and Amortization Expenses for the i^{th} major utility; $DIIC_i$ are the Deferred Taxes Investment Credit for the i^{th} major utility; $OPNC_i$ are the Other Principal Noncash Charges (credits) for the i^{th} major utility; ACC_i are the Noncash Charges Credits for the i^{th} major utility; DD_i is the Dividends Declared for the i^{th} major utility; and, CE_i is the Construction Expenditures for the i^{th} major utility.

Internally Generated Funds to Electric Operating Revenues

$$\frac{\sum\left(\frac{NI_i + DA_i + DIIC_i}{+ OPNC_i + ACC_i + DD_i}\right)}{\sum(EOR_i)} \quad (40)$$

where NI_i is Net Income of the i^{th} major utility; DA_i is the Depreciation and Amortization Expenses for the i^{th} major utility; $DIIC_i$ are the Deferred Taxes Investment Credit for the i^{th} major utility; $OPNC_i$ are the Other Principal Noncash Charges (credits) for the i^{th} major utility; ACC_i are the Noncash Charges Credits for the i^{th} major utility; DD_i is the Dividends Declared for the i^{th} major utility, and, EOR_i is the Electric Operating Revenues for the i^{th} major utility.

Interest Coverage Before Taxes with AFUDC

$$\frac{\sum\left(\frac{IBI_i + EIT_i + GII_i}{+ OUIT_i + TOID_i + ACB_i}\right)}{\sum(IE_i)} \quad (41)$$

where IBI_i is Total Income Before Interest Charges for the i^{th} major utility; EIT_i are the Electric Income Taxes for the i^{th} major utility; $GIIT_i$ are the Gas Income Taxes for the i^{th} major utility; $OUIT_i$ are the Other Utility Income Taxes for the i^{th} major utility; $TOID_i$ are the Taxes for Other Income and Deductions for the i^{th} major utility; ACB_i is the AFUDC borrowed for the i^{th} major utility, and, IE_i is the Interest Expense for the i^{th} major utility.

Interest Coverage Before Taxes without AFUDC

$$\frac{\sum\left(\frac{IBI_i + EIT_i + GII_i}{+ OUIT_i + TOID_i + AC_i}\right)}{\sum(IE_i)} \quad (42)$$

where IBI_i is Total Income Before Interest Charges for the i^{th} major utility; EIT_i are the Electric Income Taxes for the i^{th} major utility; $GIIT_i$ are the Gas Income Taxes for the i^{th} major utility; $OUIT_i$ are the Other Utility Income Taxes for the i^{th} major utility; $TOID_i$ are the Taxes for Other Income and Deductions for the i^{th} major utility; AC_i is the Allowance for Other Funds Used During Construction (AFUDC) for the i^{th} major utility, and, IE_i is the Interest Expense for the i^{th} major utility.

Total Debt to Total Assets

$$\frac{\sum(LID_i + SID_i)}{\sum(TA_i)} \times 100 \quad (43)$$

where LID_i is the Long-term Debt of the i^{th} major utility; SID_i is the Short-term Debt of the i^{th} major

utility, and, TA_i are the Total Assets of the i^{th} major utility.

Common Stock Equity to Total Assets

$$\frac{\sum (IPC_i - PSI_i)}{\sum (TA_i)} \quad (44)$$

where IPC_i is the Total Proprietary Capital for the i^{th} major utility; PSI_i is the Preferred Stock Issued for the i^{th} major utility; and, TA_i is the Total Assets for the i^{th} major utility.

Accumulated Provision for Depreciation as a Percent of Total Utility Plant

$$\frac{\sum (UPDAD_i)}{\sum (TUP_i)} \quad (45)$$

where $UPDAD_i$ is the All Utility Plant Accumulated Provisions for Depreciation Amortization and Depletion for the i^{th} major utility; and, TUP_i is the Total All Utility Plant for the i^{th} major utility.

Return on Average Common Stock Equity

$$\frac{\sum (NI_i)}{\sum \frac{(IPC_B + IPC_E) + (PSI_B + PSI_E)}{2}} \quad (46)$$

where NI_i is the Net Income for the i^{th} major utility; IPC_B is the Total Proprietary Capital for the beginning of the year for the i^{th} major utility; IPC_E is the Total Proprietary Capital for the end of the year for the i^{th} major utility; PSI_B is the Preferred Stock Issued for the beginning of the year for the i^{th} major utility; and PSI_E is the Preferred Stock Issued for the end of the year for the i^{th} major utility. An average for the year is calculated by dividing the sum by two.

Return on Equity (47)

$$\frac{\sum (NI_i - PSDD_i)}{\sum \frac{(IPC_B + IPC_E) + (PSI_B + PSI_E)}{2}}$$

where NI_i is the Net Income for the i^{th} major utility; $PSDD_i$ is the Preferred Stock Dividends Declared for the i^{th} major utility; IPC_B is the Total Proprietary Capital for the beginning of the year for the i^{th} major utility; IPC_E is the Total Proprietary Capital for the end of the year for the i^{th} major utility; and, PSI_B is the

Preferred Stock Issued for the beginning of the year for the i^{th} major utility; and, PSI_E is the Preferred Stock Issued for the end of the year for the i^{th} major utility. An average for the year is calculated by dividing the sum by two.

Return on Investment

$$\frac{\sum (NI_i)}{\sum (TA_i)} \times 100 \quad (48)$$

where NI_i is the Net Income of the i^{th} major utility; and, TA_i are the Total Assets of the i^{th} major utility.

Selected Financial Indicators for Investor-Owned Electric Utilities

The following formulas are used to calculate the financial indicators of Investor-Owned Electric Utilities listed in Table 44, "Selected Financial Indicators by State and Investor-Owned Electric Utility on December 31, 1986."

Common Equity to Capitalization

$$\frac{IPC - PSI}{IPC + LTD + STD} \times 100 \quad (49)$$

where IPC is the Total Proprietary Capital; PSI is the Preferred Stock Issued; LTD is the Total Long-term Debt; and, STD (Notes Payable) is the Short-term Debt. Capitalization is the sum of $IPC + LTD + STD$.

Preferred Stock to Capitalization

$$\frac{PSI}{IPC + LTD + STD} \times 100 \quad (50)$$

where PSI is the Preferred Stock Issued; IPC is the Total Proprietary Capital; LTD is the Total Long-term Debt; and, STD (Notes Payable) is the Short-term Debt. Capitalization is the sum of $IPC + LTD + STD$.

Long-term Debt to Capitalization

$$\frac{LTD}{IPC + LTD + STD} \times 100 \quad (51)$$

where LTD is the Total Long-term Debt; IPC is the Total Proprietary Capital; and, STD (Notes Payable) is the Short-term Debt. Capitalization is the sum of $IPC + LTD + STD$.

Short-term Debt to Capitalization

$$\frac{STD}{IPC + LTD + STD} \times 100 \quad (52)$$

where *STD* is the Short-term Debt (Notes Payable), *TPC* is the Total Proprietary Capital, and, *LTD* is the Total Long-term Debt. Capitalization is the sum of $TPC + LTD + STD$.

Common Equity as a Percent of Total Capitalization

$$\frac{(TPC_B + TPC_F) - (PSI_B + PSI_F)}{2} \div \frac{(TPC_B + TPC_F) + (LTD_B + LTD_F)}{2} \times 100, \quad (53)$$

where *TPC_B* is the Total Proprietary Capital for the beginning of the year, *TPC_F* is the Total Proprietary Capital for the end of the year, *PSI_B* is the Preferred Stock Issued for the beginning of the year, *PSI_F* is the Preferred Stock Issued for the end of the year, *LTD_B* is the Total Long-term Debt for the beginning of the year, and, *LTD_F* is the Total Long-term Debt for the end of the year. An average year's balance is calculated by dividing the sum by two. Capitalization is the sum of an average year's balance of $(TPC + LTD) \div 2$.

Rate of Return on Common Equity

$$\frac{NI - PSDD}{(TPC_B + TPC_F) - (PSI_B + PSI_F)} \times 100, \quad (54)$$

where *NI* is the Net Income, *PSDD* is the Preferred Stock Dividend Declared, *TPC_B* is the Total Proprietary Capital for the beginning of the year, *TPC_F* is the Total Proprietary Capital for the end of the year, *PSI_B* is the Preferred Stock Issued for the beginning of the year, and *PSI_F* is the Preferred stock Issued for the end of the year. An average year's balance is calculated by dividing the sum by two.

Utility Operating Revenue as a Percent of Total Assets and Other Debits

$$\frac{UOR}{TA} \times 100, \quad (55)$$

where *UOR* is the Utility Operating Revenue, and, *TA* is the Total Assets.

Interest Coverage Before Taxes with AFUDC

$$\frac{(IBI - EIT - GIT - OUIT - TOID - AC)}{IE}, \quad (56)$$

where *IBI* is the Total Income Before Interest Charges, *EIT* is the Electric Income Taxes, *GIT* is the Gas Income Taxes, *OUIT* is the Other Utility Income Taxes, *TOID* is the Taxes for Other Income and Deductions, *AC* is the Allowance for Other Funds Used During

Construction (*AFUDC*), and, *IE* is the Interest Expenses.

Interest Coverage Before Taxes without AFUDC

$$\frac{(IBI - EIT - GIT - OUIT - TOID - ACB)}{IE}, \quad (57)$$

where *IBI* is Total Income Before Interest Charges, *EIT* is the Electric Income Taxes, *GIT* is the Gas Income Taxes, *OUIT* is the Other Utility Income Taxes, *TOID* is the Taxes for Other Income and Deductions, *ACB* is *AFUDC*, and, *IE* is the Interest Expenses.

Statement of Financial Accounting Standards

Accounting For Abandonments and Disallowances of Plant Costs

According to the statement of the Financial Accounting Standards Board, FASB No. 90 (issued in December 1986), when part of the cost of a completed plant is disallowed for ratemaking purposes and a reasonable estimate of the disallowance can be made, this estimated amount will be deducted from the cost of the plant as a loss. Several plants reported in this publication have been or are facing significant disallowances of costs. No attempt has been made to identify the plants or the amounts effected.

Accounting For Phasein Plants

The cost of new generating plants has increased quite substantially for some utilities to the extent that conventional rate-making methods would result in significantly higher rates when the plant goes into service. In response, some regulators have instituted phasein plans to moderate the initial rate increase. In August 1987, the Financial Accounting Standards Board issued FASB No. 92 - Regulated Enterprises. Phasein plans were developed to moderate the initial increase in rates that would otherwise result from traditional treatment of plants entering commercial service by deferring some of the initial rate increase to future years and providing the utility with a return on investment for those deferred amounts provided the phasein plan meets certain criteria. Assuming a utility is operating under a phasein plan that met the criteria, the utility could continue to capitalize allowable deferred costs associated with a generating plant subsequent to the plant entering service. Therefore, the capital cost will continue to increase as these deferred costs are added to the cost of the plant. No attempt has been made to

identify or segregate the costs associated with phase-in plans for the generating plants included in this report.

Statement of Cash Flows

Statement of Cash Flows, FASB No. 95 (Financial Accounting Standards Board), became effective for annual financial statements for fiscal years ending after July 15, 1988. FASB No. 95 requires that a cash flow statement replace the changes in the financial position statement as a part of the set of full financial statements.

FASB No. 95 removes ambiguities of terms such as funds; comparability problems arising from diversity in statement focus (e.g., cash, cash and short-term investments, quick assets or working capital) and the resulting differences in definitions of funds flows from operating activities (cash or working capital); differences in format (sources and uses or activity format); variations in classification of items in an activity format; and, reports of net changes of assets and liabilities rather than gross inflows and outflows.

FASB No. 95 requires a statement of cash flows that classifies cash receipts and payments according to whether they stem from operating, investing, or financial activities and provides definitions of each category. FASB No. 95 requires the cash flow statement to explain the change in cash and cash equivalents, where cash equivalents are short-term, highly liquid investments (e.g., investments with original maturities of three months or less).

FASB No. 95 requires the electric utilities to report gross cash receipts and payments rather than net changes. These receipts and payments are to be classified into investing, financing or operating activities. FASB No. 95 allows one of two methods for reporting, direct and indirect. The Federal Energy Regulatory Commission (FERC) issued Order No. 505, October 13, 1988, requiring electric utilities to use the indirect method which adjusts net income by reconciling it to net cash flow from operating activities. This reconciliation includes separately reporting all major classes of reconciling items.

Accounting for Income Taxes

Accounting for Income Taxes, FASB No. 96, will become effective in fiscal years beginning after December 15, 1989. FASB No. 96 establishes standards of financial accounting and reporting for income taxes that are currently payable and for the tax consequences of: revenues, expenses, gains, or losses that are included in taxable income of an earlier or later year than the year in which they are recognized in financial income; other events that create differences between the tax basis of assets and liabilities and their amounts of financial re-

porting; and, operating loss or tax credit carrybacks for refunds of taxes paid in prior years and carryforwards to reduce taxes payable in the future.

Under FASB No. 96, a current or deferred tax liability or asset is recognized for the current or deferred tax consequences of all events that have been recognized in the financial statements. FASB No. 96 also requires that the current or deferred tax consequences of an event are measured by applying the provisions of enacted tax law to determine the amount of taxes payable or refundable currently or in future years. Further, the tax consequences of earning income or incurring losses or expenses in future years or the future enactment of a change in tax laws or rates are not anticipated for purposes of recognition and measurement of a deferred tax liability or asset.

General Information

Use of the Glossary

The terms in the glossary have been defined for general use. Restrictions on the definitions, as used in these data collection systems, are included in each definition when necessary to define the terms as they are used in this report.

Obtaining Copies of Data

Upon EIA approval of the *Financial Statistics of Selected Investor-Owned Electric Utilities*, these data are available for public use on a cost-recovery basis.

Computer listings are obtained for a charge by submitting a written request to:

Energy Information Administration, EI-541
Electric Power Division
Washington, DC 20585

These data are also available monthly on machine-readable tapes. Tapes may be purchased by using Visa, MasterCard, or American Express cards, as well as money orders or checks, payable to the National Technical Information Service (NTIS). Purchasers may also use NTIS and Government Printing Office depository accounts. To place an order, contact:

National Technical Information Service (NTIS)
Office of Data Base Services
U.S. Department of Commerce
5285 Port Royal Road
Springfield, Virginia 22161
(703) 487-4650

Glossary

Accounting System: A method of recording accounting data for a utility or company or a method of supplying accounting information for controlling, evaluating, planning and decision-making.

Administrative and General Expenses: Expenses of an electric utility relating to the overall directions of its corporate offices and administrative affairs, as contrasted with expenses incurred for specialized functions. Examples include office salaries, office supplies, advertising, and other general expenses.

Allowance for Funds Used During Construction (AFUDC): A noncash item representing the estimated composite interest on borrowed funds and a return on other funds being used during construction.

Amortization: The gradual write-off of an amount in an account by distributing such amount over a fixed period, over the life of the asset or liability to which it applies, or over the period during which it is anticipated the benefit will be realized.

Asset: An economic resource, tangible or intangible, which is expected to provide benefits to a business.

Average Stream Flow: The rate at which water over a set period of time passes a given point in a stream, usually expressed in cubic feet per second.

Capacity: The full-load continuous rating of a generator, prime mover, or other electric equipment under specified conditions as designated by the manufacturer. It is usually indicated on a nameplate attached to the equipment.

Capital: The equity interest of the owners consisting of common stock, preferred stock, and retained earnings in the entity that is the difference between assets and liabilities.

Capital (Financial): The line items on the right side of a balance sheet, that include debt, preferred stock, and common equity. A net increase in assets must be financed by an increase in one or more forms of capital.

Capital Intensive: A condition in which investment in plant and equipment is relatively large compared to labor and operation and maintenance expenses.

Capitalization: The long-term sources of funds comprising an entity's total capitalization; that is, the long-term debt, preferred stock, and common equity. The short-term sources of capital are not included.

Capitalization Ratio: The percentage of debt, or preferred stock, or common stock, or other equity to the total capital structure of an entity.

Circuit: A conductor or a system of conductors through which electric current flows.

Circuit-Mile: The total length in miles of separate circuits regardless of the number of conductors used per circuit.

Classes of Service: Consumers grouped by similar characteristics in order to be identified for the purpose of setting a common rate for electric service. Usually classified into groups identified as residential commercial, industrial and other.

Commercial and Industrial: Classes of service supplied to a similar grouping of customers. These customer groupings are usually subdivided into smaller segments by classifying such customers as commercial or industrial using the Federal Government's Office Of Management and Budget's Standard Industrial Classification Guide and/or a scale of energy usage as yardsticks; other customers are reclassified as commercial or industrial when their demands or annual use exceeds some specified limit. These limits are generally based

on a utility's rate schedules, except for those customers who are supplied under special contracts or agreements calling for particular services.

Commercial Sector: The commercial sector is generally defined as nonmanufacturing business establishments, including hotels, motels, restaurants, wholesale businesses, retail stores, and health, social, and educational institutions. Electric utilities may classify commercial service as service that includes all consumers whose demand or annual use exceeds some specified limit. The limit may be set by the utility based on the rate schedule of the utility. Consumers (i.e. farms and irrigation) that the utility has no system for separating into residential, commercial, and industrial classifications, should be classified based on the schedule they most closely resemble. If there is no rate schedule distinction, utilities may define commercial consumers as those having a demand of less than 1000 kilowatts.

Common Equity, Book Value: The retained earnings and common stock earnings plus the balances in common equity reserves and all other common stock accounts. This also includes the capital surplus, the paid-in surplus, the premium on common stocks, except those balances specifically related to preferred or preference stocks; less any common stocks held in the treasury.

Common Stock Equity Ratio: The net income after interest taxes, and preferred dividends divided by average common stock equity.

Condenser Cooling Water: A source of water external to a boiler's feed system is passed through the steam leaving the turbine in order to cool and condense the steam. This reduces the steam's exit pressure and recaptures its heat, which is then used to preheat fluid entering the boiler, thereby increasing the plant's thermodynamic efficiency.

Conditionally Effective Rates: An electric rate schedule that has been put into effect by the FERC subject to refund pending final disposition or refiling.

Construction Costs (of the electric power industry): All direct and indirect costs incurred in acquiring and constructing electric utility plant and equipment and proportionate shares of common utility plant. Included are the cost of land and improvements, nuclear fuel and spare parts, allowance for funds used during construction, general overheads capitalized; less the cost

of acquiring plant and equipment previously operated in utility service.

Construction Expenditures (of the electric power industry): The gross expenditures for construction costs, including the cost of replacing worn-out plants, and electric construction costs and land held for future use.

Construction Work In Progress (CWIP): The balance shown on a utility's balance sheet for construction work not yet completed but in process. This balance line item may or may not be included in the rate base.

Conventional Hydroelectric Plant: A plant in which all of the power is produced from natural streamflow as regulated by available storage.

Cooperative Electric Utility: A group organized under the law into a utility company that will generate, transmit, and/or distribute supplies of electric energy to a specified area not being serviced by another utility. Such ventures are generally exempt from the Federal income tax laws. Most electric cooperatives have initially been financed by the Rural Electrification Administration, U.S. Department of Agriculture.

Cost: The amount paid to acquire resources, such as plant and equipment, fuel, or labor services.

Cost of Capital: The rate of return an entity must offer to obtain additional funds. The cost of capital varies with the leverage ratio, the effective income tax rate, conditions in the bond and stock markets, growth rate of the firm, its dividend strategy, stability of net income, the amount of new capital required, and other factors dealing with business and financial risks. It is a composite of the cost for debt interest, preferred stock dividends, and common stockholders' earnings that provide the facilities used in supplying utility service.

Cost of Debt: The interest rate paid on new increments of debt capital multiplied by 1 minus the tax rate.

Cost of Preferred Stock: Equals the preferred dividend divided by the net price of preferred stock.

Cost of Retained Earnings: The residual of an entity's earnings over expenditures, including taxes and divi-

dends, that are reinvested in its business. The cost of these funds is always lower than the cost of new equity capital, due to taxes and transactions costs. Therefore the cost of retained earnings is the yield that retained earnings accrue upon reinvestment.

Cost of Service: A ratemaking concept used for the design and development of rate schedules to ensure that the filed rate schedules recover only the cost of providing the electric service at issue. These costs include operating and maintenance expenses, depreciation and amortization expenses, and income and other taxes found just and reasonable by the regulatory agency for ratemaking purposes plus, in the case of investor-owned electric utilities, an allowance for a return on capital (usually computed by applying a rate of return to the rate base). This concept attempts to equate the cost incurred by the utility to the revenue received for the service provided to each of the consumer classes.

Current Assets: Cash and other assets that are expected to be turned into cash, sold, or exchanged within the normal operating cycle of the firm, usually one year. Current assets include cash, marketable securities, receivables, inventory and current prepayments.

Current Liabilities: A debt or other obligation that must be discharged within a short time, usually the earnings cycle or one year, normally by expending current assets.

Current Ratio: The ratio (current assets divided by current liabilities) that shows the ability of an entity to pay its current obligations from its current assets.

Debt: Money or services owed through a legal obligation to an outside party. Debt may be classified short-term which is 1 year or less or long-term which is more than 1 year.

Deferred Cost: An expenditure not recognized as a cost of operation of the period in which incurred, but carried forward to be written off in future periods.

Deferred Fuel Costs: An expenditure for fuel that is not recognized for bookkeeping practices as a cost in the operating period incurred, but carried forward to be written off in future periods.

Deferred Income Tax: Usually, a liability in the balance sheet representing the additional Federal income taxes that would have been due if a company had not been allowed to compute tax expenses differently for income tax reporting purposes than for ratemaking reporting purposes.

Depreciation: Charges made against income for distributing the cost of a tangible asset, so as to allocate it systematically across the period in which the asset is used.

Design Head: The achieved river, pondage, or reservoir surface height (forebay elevation) that provides the water level to produce the full flow at the gate of the turbine in order to attain the manufacturer's installed nameplate rating for generation capacity.

Diesel-Electric Plant: A generating station that uses diesel engines to drive its electric generators.

Distribution System: The portion of an electric system that is dedicated to delivering electric energy to an end user.

Docket: A formal record of a Federal Energy Regulatory Commission proceeding. These records are available for inspection and copying by the public. Each individual case proceeding is identified by an assigned number.

Economy of Scale: The principle that larger production facilities have lower unit costs than smaller facilities.

Electrical System Energy Losses: The amount of energy lost during generation, transmission, and distribution of electricity, including plant and unaccounted for use.

Electric Expenses: The cost of labor, material, and expenses incurred in operating a facility's prime movers, generators, auxiliary apparatus, switching gear, and other electric equipment for each of the points where electricity enters the transmission or distribution grid.

Electric Operating Expenses: Summation of electric operation-related expenses, such as operation expenses, maintenance expenses, depreciation expenses, amorti-

zation, taxes other than income taxes, Federal income taxes, other income taxes, provision for deferred income taxes, provision for deferred income credit, and investment tax credit adjustment.

Electric Plant (Financial): Assets comprising land, building, and equipment permanently employed.

Electric Power Industry: The privately, publicly, federally and cooperatively owned electric utilities of the United States taken as a whole. This includes all electric systems serving the public: regulated investor-owned electric utility companies; Federal power projects; State, municipal, and other government-owned systems, including electric public utility districts; electric cooperatives, including generation and transmission entities. Excluded from this definition are the special purpose electric facilities or systems that do not offer service to the public.

Electric Power System: An individual electric power entity—a company, an electric cooperative, a public electric supply corporation as the Tennessee Valley Authority, a similar Federal department or agency as the Bonneville Power Administration, the Bureau of Reclamation or the Corps of Engineers, a municipally owned, electric department offering service to the public, or an electric public utility district (a "PUD"); also a jointly owned electric supply project such as the Keystone.

Electric Rate Schedule: A statement of the electric rate and the terms and conditions governing its application, including attendant contract terms and conditions that have been accepted by a regulatory body with appropriate oversight authority.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly owned, cooperatively owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

End User: The final consumer of electricity.

Energy: The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic en-

ergy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

Energy Deliveries: Energy generated by one electric utility system and delivered to another system through one or more transmission lines.

Energy Information Administration (EIA): An independent agency within the U.S. Department of Energy that develops surveys, collects energy data, and does analytical and modeling analysis of energy issues. The Agency must meet the requests of Congress, other elements within the Department of Energy, Federal Energy Regulatory Commission, the Executive Branch, its own independent needs, and assist the general public, or other interest groups, without taking a policy position.

Energy Loss: The difference between energy input and output as a result of transfer of energy between two points.

Energy Receipts: Energy generated by one electric utility system and received by another system through one or more transmission lines.

Equity (Financial): Ownership interest of shareholders in a corporation represented by stock.

Equity Capital: The sum of capital from retained earnings and the issuance of stocks.

Expenditure: The incurrence of a liability to obtain an asset or service.

Federal Energy Regulatory Commission (FERC): A quasi-independent regulatory agency within the Department of Energy having jurisdiction over interstate electricity sales, wholesale electric rates, hydroelectric licensing, natural gas pricing, oil pipeline rates, and gas pipeline certification.

Federal Power Act: Enacted in 1920, and amended in 1935, the Act consists of three parts. The first part incorporated the Federal Water Power Act administered by the former Federal Power Commission, whose activities were confined almost entirely to licensing non-Federal hydroelectric projects. Parts II and III were added with the passage of the Public Utility Act. These parts extended the Act's jurisdiction to include regulating the interstate transmission of electrical energy and rates for its sale as wholesale in interstate commerce. The Federal Energy Regulatory Commission is now charged with the administration of this law.

Federal Power Commission: The predecessor agency of the Federal Energy Regulatory Commission. The Federal Power Commission was created by an Act of Congress under the Federal Water Power Act on June 10, 1920. It was charged originally with regulating the electric power and natural gas industries. It was abolished on September 20, 1977, when the Department of Energy was created. Its functions were divided between the Department of Energy and the Federal Energy Regulatory Commission.

FERC: The Federal Energy Regulatory Commission.

FERC Guidelines: A compilation of the Federal Energy Regulatory Commission's enabling statutes, procedural and program regulations, and orders, opinions and decisions.

Financial Accounting Standards Board (FASB): An independent board responsible, since 1973, for establishing generally accepted accounting principles. Its official pronouncements are called "Statements of Financial Accounting Standards" and "Interpretations of Financial Accounting Standards."

Fiscal Year: A financial year based on a predetermined starting date. The Federal Government's financial year runs from October 1 through September 30.

Fixed Assets: Tangible property used in the operations of an entity, but not expected to be consumed or converted into cash in the ordinary course of events.

Fixed Asset Turnover: A ratio of revenue to fixed assets which is a measure of the productivity and ef-

iciency of property, plant, and equipment in generating revenue.

Fixed Charge Coverage: The ratio of earnings available to pay so-called fixed charges to such fixed charges. Fixed charges include interest on funded debt, including leases, plus the related amortization of debt discount, premium and expense. Earnings available for fixed charges may be computed before or after deducting income taxes. Occasionally credits for the "allowance for fund used during construction" are excluded from the earnings figures. The precise procedure followed in calculating fixed charge or interest coverages vary widely.

Fixed Cost (expense): An expenditure or expense that does not vary with volume of activity.

Fixed Operating Costs: Costs other than those associated with capital investment that do not vary with the operation, such as maintenance and payroll.

Fossil Fuel: Any naturally occurring organic fuel, such as petroleum, coal, and natural gas.

Fossil-Fuel Plant: A plant using coal, petroleum, or gas as its source of energy.

Fuel Expenses: These costs include the fuel used in the production of steam or driving another prime mover for the generation of electricity. Other associated expenses include unloading the shipped fuel and all handling of the fuel up to the point where it enters the first bunker, hopper, bucket, tank, or holder in the boiler-house structure.

Gas Turbine Plant: A plant in which the prime mover is a gas turbine. A gas turbine consists typically of an axial-flow air compressor, one or more combustion chambers, where liquid or gaseous fuel is burned and the hot gases are passed to the turbine and where the hot gases expand to drive the generator and are then used to run the compressor.

Generally Accepted Accounting Principles (GAAP): Defined by the FASB as the conventions, rules, and procedures necessary to define accepted accounting practice at a particular time; includes both broad guidelines and relatively detailed practices and procedures.

Generating Unit: Any combination of physically connected generator(s), reactor(s), boiler(s), combustion turbine(s), or other prime mover(s) operated together to produce electric power.

Generation: The process of producing electric energy by transforming other forms of energy, or the amount of electric energy produced or expressed in watthours (Wh).

Generator Nameplate Capacity: The full-load continuous rating of a generator, prime mover, or other electrical power production equipment under specific conditions as designated by the manufacturer. Installed generator nameplate rating is usually indicated on a nameplate physically attached to the generator.

Geothermal Plant: A plant in which the prime mover is a steam turbine. The turbine is driven either by steam produced from hot water or by natural steam that derives its energy from heat found in rocks or fluids at various depths beneath the surface of the earth. The energy is extracted by drilling and/or pumping.

Grid: The layout of an electrical distribution system.

Gross Generation: The total amount of electric energy produced by a generating facility, as measured at the generator terminals.

Head: The product of the water's weight and a usable difference in elevation gives a measurement of the potential energy possessed by water.

Historical Plant Cost of Equipment: The charges for equipment assigned to power production include: the net purchased price thereof; sales taxes; investigation and inspection expenses necessary for such purchases; any expenses of transportation when borne by the utility; labor employed charges; materials and supplies consumed; and expenses incurred by the utility in unloading and placing the equipment in readiness to operate.

Historical Plant Cost of Land and Land Rights: The cost of land purchased or the fees paid by the utility for rights, interests, and privileges to be held by the utility in land owned by others. The types of rights

acquired include leaseholds, easements, water and water power rights, rights-of-way, and other like interests.

Historical Plant Cost of Structures and Improvements (Expenses): The cost of all buildings and facilities to house, support, or safeguard property or persons, including all fixtures permanently attached to and made a part of building. Also includes the cost incurred in connection with the first clearing and grading of land and rights-of-ways.

Holding Company: A company that confines its activities to owning stock in, and supervising management of, other companies. The Securities and Exchange Commission, as administrator of the Public Utility Holding Company Act of 1935, defines a holding company as "a company which directly or indirectly owns, controls or holds 10 percent or more of the outstanding voting securities of a holding company" (15 USC 79b, par. a (7)).

Hydroelectric Energy: The production of electricity from kinetic energy in flowing water.

Hydroelectric Plant: A plant in which the turbine generators are driven by falling water.

Hydroelectric Plant Capacity: This capacity figure is a function of fluid flow losses, hydraulic turbines, head, and water flow. The minimum net head limits the firm capacity of the plant.

Hydroelectric Power: The harnessing of flowing water to produce mechanical or electrical energy.

Industrial Sector: The industrial sector is generally defined as including fishing, manufacturing, construction, mining agriculture, and forestry establishments under Standard Industrial Classification (SIC) codes 01-39. The utility may classify industrial service using the SIC codes, or based on demand or annual usage exceeding some specified limit. The limit may be set by the utility based on its own rate schedule. Sales for consumers (i.e. farms and irrigation) that the utility has no system for separating into residential, commercial, and industrial classifications, should be classified based on the classification of their rate most closely resembles. If there is no rate schedule distinction, utilities may define industrial consumers as those having a demand equal to or greater than 1,000 kilowatts.

Instantaneous Peak Demand: The maximum demand at the instant of greatest load.

Interchange Energy: Kilowatthours delivered to or received by one electric utility or pooling system from another. Settlement may be by payment, returned in kind at a later time or accumulated as energy balances until the end of the stated period.

Interconnection: Two or more electric systems having a common transmission line that permits a flow of energy between them. The physical connection of the electric power transmission facilities allows for the sale or exchange of energy.

Interdepartmental Service (Electric): Electricity supplied to departments of the electric utility company other than the electric generating department.

Interest Coverage Ratio: The number of times that fixed interest charges were earned indicates the margin of safety of interest on fixed debt. The times-interest-earned ratio is calculated using net income before and after income taxes, and the credits of interest charged to construction being treated as other incomes. The interest charges include interest on long-term debt, interest on debt of associated companies, and other interest expense.

Interlocking Directorates: The holding of a significant position in management or a position on the corporate board of a utility, while simultaneously holding a comparable position with another utility, or with a firm doing business with the utility.

Internal Cash Flow: Composed of funds available for common stockholders after adjustments for common stock equivalents, depreciation and depletion, amortization, deferred income taxes (net), investment tax credit (net), and other internal sources (net); less common dividends and AFUDC (total).

Internal Combustion Plant: A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion takes place, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

Investor-Owned Electric Utility: A class of utility that is investor owned and organized as a tax paying business, usually financed by the sales of securities in the capital market.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Leverage Ratio: The ratio of total debt to total assets.

Liability: An amount payable in dollars or by future services to be rendered.

Licensees: Entity that has been granted permission to engage in an activity otherwise unlawful (i.e. hydropower project).

Line Loss: Energy kilowatthours lost in transmission and distribution lines.

Load (Electric): The amount of electric power delivered or required at any specific point or points on a system. The requirement originates at the energy-consuming equipment of the consumers.

Long-term Debt: Debt securities or borrowings having a maturity of more than a year.

Maintenance Expenses: That portion of operating expenses consisting of labor, materials, and other direct and indirect expenses incurred for preserving the operating efficiency and/or physical condition of utility plants used for power production, transmission, and distribution of energy.

Maximum Demand: The greatest of all demands of the load that has occurred within a specified period of time.

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts.

Megawatthour (MWh): One million watthours.

Multiple Purpose Reservoir: Stored water and its usage governed by advanced water resource conservation practices to achieve more than one water control objective. Some of the objectives include flood control, hydro- electric power development, irrigation, recreation usage, and wilderness protection.

Municipality: A city, county, irrigation district, drainage district, or a political subdivision or agency of a State competent under the laws thereof to carry on the business of developing, transmitting, or distributing power.

Net Generation: Gross generation less plant use, measured at the high-voltage terminals of the station's step-up transformer. The energy required for pumping at pumped-storage plants is regarded as plant use and must be deducted from the gross generation.

Net Income: The excess of all revenues and gains for a period over all expenses and losses of the period.

Nonutility Power Producer: An enterprise that has electric generating capacity and is not an electric utility. Nonutility power producers include qualifying cogenerators, qualifying small power producers, and other nonutility generators (including independent power producers) without a designated franchised service area, and which are not otherwise required to file forms listed in the *Code of Federal Regulations*, Title 18, Part 141.

Nuclear Fuel: Fissionable materials that have been enriched to such a composition that when placed in a nuclear reactor will support a self-sustaining fission chain reaction, producing heat in a controlled manner for process use.

Nuclear Power Plant: A facility in which heat produced in a reactor by the fissioning of nuclear fuel is used to drive a steam turbine.

Nuclear Reactor: An apparatus in which the nuclear fission chain can be initiated, maintained, and controlled so that energy is released at a specific rate. The reactor includes fissionable material (fuel), such as uranium or plutonium, fertile material; moderating material (unless it is a fast reactor); a heavy-walled pressure vessel; shielding to protect personnel; provision for heat removal; and control elements and instrumentation.

Ohm: The unit of measurement of electrical resistance. The resistance of a circuit in which a potential difference of 1 volt produces a current of 1 ampere.

Operating Expenses: Expenses related to utility operations, which include operation and maintenance expenses, provisions for depreciation and amortization, taxes other than income taxes, income taxes, provision for deferred income taxes, income taxes deferred in prior years-- credit and investment tax credit adjustments--net.

Operating Income: Operating revenues less operating expenses.

Operation and Maintenance Expenses: Operation expenses are associated with operating a facility (i.e., supervising and engineering expenses. Maintenance expenses are that portion of expenses consisting of labor, materials, and other direct and indirect expenses incurred for preserving the operating efficiency or physical condition of utility plants that are used for power production, transmission and distribution of energy.

Operation Expenses: The components of power production expenses that incur cost for operations that are directly related to producing electricity. The major item is almost always fuel that has to be burned to generate the electricity.

Operation Supervision and Engineering (Expenses): These expenses include the cost of labor and expenses incurred in the general supervision and direction of the operation of power generation stations. The supervision and engineering costs consist of the pay and expenses of staff and consultants engaged in supervising and directing the operation of each utility function. Direct supervision and engineering of activities, such as fuel handling, boiler room operations, and generator operations, are charged to the appropriate accounts.

Original Cost: The initial amount of money spent to acquire an asset.

Other Generation: Electricity originating from these sources: biomass, fuel cells, geothermal heat, solar power, waste, wind, and wood.

Other Service to Public Authorities: Electricity supplied to municipalities or divisions or agencies of State

or Federal governments, under special contracts or agreements or service classifications applicable only to public authorities.

Owners Equity: Interest of the owners in the assets of the business represented by capital contributions and retained earnings.

Parent Company: Company owning more than 50 percent of the voting shares of another company, called the subsidiary.

Plant: A facility at which are located prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or nuclear energy into electric energy. A plant may contain more than one type of prime mover. Electric utility plants exclude facilities that satisfy the definition of qualifying facility under the Public Utility Regulatory Policies Act of 1978.

Plant-Use Electricity: The electric energy used in the operation of a plant. This energy total is subtracted from the gross energy production of the plant; for reporting purposes the plant energy production is then reported as a net figure. The energy required for pumping at pumped-storage plants is by definition subtracted, and the energy production for these plants is then reported as a net figure.

Pole-Mile: A unit of measuring the simple length of a transmission line carrying electric conductors, without regard to the number of conductors carried.

Power: The rate at which energy is transferred. Electrical energy is usually measured in watts. Also used for a measurement of capacity.

Power (Electrical): An electric measurement unit of power called a voltampere is equal to the product of 1 volt and 1 ampere. This is equivalent to 1 Watt for a direct current system and a unit of apparent power is separated into real and reactive power. Real power is the work-producing part of apparent power that measures the rate of supply of energy and is denoted as Kilowatts (KW). Reactive power is the portion of apparent power that does no work and is referred to as kilovars; this type of power must be supplied to most types of magnetic equipment, such as motors, and is supplied by generator or by electrostatic equipment. Voltamperes are usually divided by 1,000 and

called kilovoltamperes (kVA). Energy is denoted by the product of real power and the length of time utilized; this product is expressed as kilowatthours.

Power Production Plant: All the land and land rights, structures and improvements, boiler or reactor vessel equipment, engines and engine-driven generator, turbogenerator units, accessory electric equipment, and miscellaneous power plant equipment are grouped together for each individual facility.

Preferred Stock: Ownership interests in a corporation which have been granted a preference, usually in the distribution of dividends before payment of dividends to common stockholders and assets in dissolution. It is usually nonvoting.

Price: The amount of money or consideration-in-kind for which a service is bought, sold, or offered for sale.

Prime Mover: The motive force, i.e., steam, engine, turbine, or water that drives an electric generator.

Production (Electric): Act or process of producing electric energy from other forms of energy; also, the amount of electric energy expressed in watthours (Wh).

Production Expenses: Costs incurred in the production of electric power that conform to the accounting requirements of the Operation and Maintenance Expense Accounts of the FERC Uniform System of Accounts.

Profit: The income remaining after all business expenses are paid.

Public Street and Highway Lighting Service: Electricity supplied and services rendered for the purpose of lighting streets, highways, parks, and other public places; or for traffic or other signal system service; for municipalities, or other divisions or agencies of State or Federal governments.

Public Utility District: Municipal corporations organized to provide electric service to both incorporated cities and towns and unincorporated rural areas. Public utility districts, sometimes called "People's Utility Districts" or "Public Power Districts," operate in six States.

Pumped-Storage Hydroelectric Plant: A plant that usually generates electric energy during peak-load periods by using water previously pumped into an elevated storage reservoir during off-peak periods when excess generating capacity is available to do so. When additional generating capacity is needed, the water can be released from the reservoir through a conduit to turbine generators located in a power plant at a lower level.

Purchased Power: Power purchased or available for purchase from a source outside the system.

Railroad and Railway Electric Service: Electricity supplied to railroads and interurban and street railways, for general railroad use, including the propulsion of cars or locomotives, where such electricity is supplied under separate and distinct rate schedules.

Rate Base: The value of property upon which a utility is permitted to earn a specified rate of return as established by a regulatory authority. The rate base generally represents the value of property used by the utility in providing service and may be calculated by any one or a combination of the following accounting methods: fair value, prudent investment, reproduction cost, or original cost. Depending on which method is used, the rate base includes cash, working capital, materials and supplies, and deductions for accumulated provisions for depreciation, contributions in aid of construction, customer advances for construction, accumulated deferred income taxes, and accumulated deferred investment tax credits.

Ratemaking Authority: A utility commission's legal authority to fix, modify, approve, or disapprove rates, as determined by the powers given the commission by a State or Federal legislature.

Rate of Return: The ratio of net operating income earned by a utility is calculated as a percentage of its rate base.

Rate of Return on Rate Base: The ratio of net operating income to a specified rate base, expressed as a percentage.

Rate of Return on Common Equity: Net income less preferred stock dividends divided by common stock equity.

Refunding: Retirement of one security issue with proceeds received from selling another. Refunding provides for retiring maturing debt by taking advantage of favorable money market conditions.

Regulation: The governmental function of controlling or directing economic entities through the process of rulemaking and adjudication.

Residential Sector: The residential sector includes private household establishments that consume energy primarily for space heating, water heating, air conditioning, lighting, refrigeration, cooking, and clothes drying. The classification of an individual consumer's account, where the use is both residential and commercial, is based on principal use. Apartment houses are included.

Retail: Sales covering electrical energy supplied for residential, commercial, and industrial end-use purposes. Other small classes, such as agriculture and street lighting, also are included in this category.

Retail Wheeling: An arrangement in which a utility transmits electricity from outside its service territory to a retail customer within its customer service territory.

Retained Earnings: The accumulated net income of the utility, less distribution to stockholders and transfers to other capital accounts.

Return on Common Equity: An entity's earnings available for common stockholders calculated as a percentage of its common equity capital.

Revenue: An increase in the assets of an organization or the decrease in liabilities during an accounting period, primarily from the organization's operating activities. This may include the sale of electricity and earnings from interest, dividends, lease income and royalties.

Revenue Requirement: The total revenue that the utility is authorized an opportunity to recover, which includes operating expenses and a reasonable return on rate base.

Rural Electrification Administration (REA): A lending agency of the U.S. Department of Agriculture; the REA makes self-liquidation loans to qualified borrowers to finance electric and telephone service to rural areas. The REA also finances the construction and operation of generating plants, electric transmission and distribution lines, or systems for the furnishing of initial and continued adequate electric services to persons in rural areas not receiving central station service.

Sales: The amount of kilowatthours sold in a given period of time, usually grouped by classes of service, such as residential, commercial, industrial, and other. Other sales include public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

Sales for Resale: Energy supplied to other electric utilities, cooperatives, municipalities, and Federal and State electric agencies for resale to ultimate consumers.

Short-term Debt or Borrowings: Debt securities or borrowings having a maturity of less than 1 year.

Solar Energy: Energy produced from the sun's radiation.

Steam-Electric Plant (Conventional): A plant in which the prime mover is a steam turbine. The steam used to drive the turbine is produced in a boiler where fossil fuels are burned.

Steam Expenses: The cost of labor, materials, fuel, and other expenses incurred in production of steam for electric generation.

Steam from other Sources: Steam purchased, transferred from another department of the utility, or acquired from others under a joint-facility operating agreement.

Steam Transferred-Credit: The expenses of producing steam are charged to others or to other utility departments under a joint operating arrangement.

Substation: Facility equipment that switches, changes, or regulates electric voltage.

Switching Station: Facility equipment used to tie together two or more electric circuits through switches. The switches are selectively arranged to permit a circuit to be disconnected, or to change the electric connection between the circuits.

System (Electric): Physically connected generation, transmission, and distribution facilities operated as an integrated unit under one central management, or operating supervision.

Transformer: An electrical device for changing the voltage of alternating current.

Transmission: The movement or transfer of electric energy over an interconnected group of lines and associated equipment between points of supply and points at which it is transformed for delivery to consumers, or is delivered to other electric systems. Transmission is considered to end when the energy is transformed for distribution to the consumer.

Transmission System (Electric): An interconnected group of electric transmission lines and associated equipment for moving or transferring electric energy in bulk between points of supply and points at which it is transformed for delivery over the distribution system lines to consumers, or is delivered to other electric systems.

Turbine: A machine for generating rotary mechanical power from the energy in a stream of fluid (such as water, steam, or hot gas). Turbines convert the kinetic energy of fluids to mechanical energy through the principles of impulse and reaction, or a mixture of the two.

Ultimate Consumer: A consumer that purchases electricity for its own use and not for resale.

Uniform System of Accounts: Prescribed financial rules and regulations established by the Federal Energy Regulatory Commission for utilities subject to its jurisdiction under the authority granted by the Federal Power Act.

Utility Generation: Generation by electric systems engaged in selling electric energy to the public.

Watt: The electrical unit of power. The rate of energy transfer equivalent to 1 ampere flowing under a pressure of 1 volt at unity power factor.

Watthour (Wh): An electrical energy unit of measure equal to 1 watt of power supplied to, or taken from, an electric circuit steadily for 1 hour.

Wheeling Service: The movement of electricity from one system to another over transmission facilities of intervening systems. Wheeling service contracts can be established between two or more systems.